

LIST OF JOURNAL PAPERS 2020

- 1 - Fernández, M.; Perpiñà, X.; Vellvehí, M.; Aviñó-Salvadó, O.; Llorente, S.; Jordà, X.
“POWER LOSSES AND CURRENT DISTRIBUTION STUDIES BY INFRARED THERMAL IMAGING IN SOFT- AND HARD-SWITCHED IGBTs UNDER RESONANT LOAD”.
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[DOI: 10.1109/TPEL.2019.2942830](https://doi.org/10.1109/TPEL.2019.2942830)
- 2 - Cialone, M., Nicolenco, A., Robbenolt, S., Menéndez, E., Rius, G., Sort, J.
“VOLTAGE-INDUCED ON SWITCHING OF MAGNETISM IN ORDERED ARRAYS OF NON-FERRIMAGNETIC NANOPOROUS IRON OXIDE MICRODISKS”.
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[DOI:10.1002/ADMI.202001143](https://doi.org/10.1002/ADMI.202001143)
- 3 - Aslanidou, S., García-García, A., Godignon, P., Rius, G.
“ELECTRONIC INTERFACE AND CHARGE CARRIER DENSITY IN EPITAXIAL GRAPHENE ON SILICON CARBIDE. A REVIEW ON METAL–GRAPHENE CONTACTS AND ELECTRICAL GATING”.
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- 4 - Rafí, J.M., Pellegrini, G., Godignon, P., Otero, S., Rius, G., Tsunoda, I., Yoneoka, M., Takakura, K., Kramberger, G., Moll, M.,
“ELECTRON, NEUTRON AND PROTON IRRADIATION EFFECTS ON SIC RADIATION DETECTORS”.
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- 5 - Fernández-Regúlez, M., Solano, E., Evangelio, L., Gottlieb, S., Pinto-Gómez, C., Rius, G., Fraxedas, J., Gutiérrez-Fernández, E., Nogales, A., García-Gutiérrez, M.C., Ezquerro T.A., Pérez-Murano, F.
“SELF-ASSEMBLY OF BLOCK COPOLYMERS UNDER NON-ISOTHERMAL ANNEALING CONDITIONS AS REVEALED BY GRAZING-INCIDENCE SMALL-ANGLE X-RAY SCATTERING”.
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- 6 - Jimenez-Ramos, M. C., García López, J., García Osuna, A., Rodríguez-Ramos, M., Villalpando, A., García Muñoz, M., Andrade, E, Pellegrini, G., Otero, S., Godignon, P., Rafí, J.M., Rius, G.
“IBIC ANALYSIS OF SIC DETECTORS DEVELOPED FOR FUSION APPLICATIONS”.
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[DOI:10.1016/J.RADPHYSHEM.2020.109100](https://doi.org/10.1016/J.RADPHYSHEM.2020.109100)
- 7 - Fernández-Tejero, J., Allport, P. P., Aviñó, O., Dette, K., Fadeyev, V., Fleta, C., Gillberg, D., Gonella, L., Hara, K., Helling, C., Hommels, B., Keller, J., Klein, C., Koffas, T., Latonova, V., Mikesikova, M., Orr, R.S., Pyatt, S., Scharf, C., Soldevila, U., Staats, E., Thomas, J., Ullán, M., Unno, Y., Vellvehí, M., Wada, S.
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- 8 - Marinkovic, S., Fernandez-Rodriguez, A., Collienne, S., Blanco, S., Melinte, S., Maiorov, B., Rius, G., Granados, X., Mestres, N., Palau, A., Silhanek, A.V.
“DIRECT VISUALIZATION OF CURRENT STIMULATED OXYGEN DOPING IN YBA2CU3O7-Δ THIN FILMS”.

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9 - Quirion, D., Manna, M., Hidalgo, S., Pellegrini, G.

“MANUFACTURABILITY AND STRESS ISSUES IN 3D SILICON DETECTOR TECHNOLOGY AT IMB-CNM”

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10 - Mandić, I., Cindro, V., Gorišek, A., Hiti B., Kramberger, G., Mikuž, M., Zavrtnik, M., Skomina, P., Hidalgo, S., Pellegrini, G.

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11 - Manna, M., Grieco, C., Gristein, S., Hidalgo, S., Pellegrini, G., Quirion, D., & Terzo, S.

“FIRST CHARACTERISATION OF 3D PIXEL DETECTORS IRRADIATED AT EXTREME FLUENCES”

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12 - Currás, E., Carulla, M., Centis Vignali, M., Duarte-Campderros, J., Fernández, M., Flores, D., García, A., Gómez, G., González, J., Hidalgo, S., Jaramillo, R., Merlos, A., Moll, M., Pellegrini, G., Quirion, D., Vila, I.

“INVERSE LOW GAIN AVALANCHE DETECTORS (iLGADs) FOR PRECISE TRACKING AND TIMING APPLICATIONS”

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14 - Aviñó-Salvadó, O., Asllani, B., Buttay, C., Raynaud, C., Morel, H.

“EXTRACTION OF THE 4H-SiC/SiO₂ BARRIER HEIGHT OVER TEMPERATURE”

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15 - Agusil, J.P., Arjona, M.I., Duch, M., Fusté, N., Plaza, J.A.

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