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Scientific publications: (Fiber Optics)

Di Francesca, D., Girard, S., Agnello, S., Marcandella, C., Paillet, P., Boukenter, A., Gelardi, F.M., Ouerdane, Y.

Near infrared radio-luminescence of O₂ loaded radiation hardened silica optical fibers: A candidate dosimeter for harsh environments

(2014) Applied Physics Letters, 105 (18), art. no. 183508, .

Di Francesca, D., Agnello, S., Girard, S., Marcandella, C., Paillet, P., Boukenter, A., Ouerdane, Y., Gelardi, F. M.

Influence of O₂-Loading Pretreatment on the Radiation Response of Pure and Fluorine-Doped Silica-Based Optical Fibers

(2014) IEEE Transactions on Nuclear Science, . Article in Press.

Girard, S., Laurent, A., Pinsard, E., Raine, M., Robin, T., Cadier, B., Di Francesca, D., Paillet, P., Gaillardin, M., Duhamel, O., Marcandella, C., Boutillier, M., Ladaci, A., Boukenter, A., Ouerdane, Y.

Proton Irradiation Response of Hole-Assisted Carbon Coated Erbium-Doped Fiber Amplifiers

(2014) IEEE Transactions on Nuclear Science, . Article in Press.

Giacomazzi, L., Martin-Samos, L., Boukenter, A., Ouerdane, Y., Girard, S., Richard, N.

EPR parameters of e centers in v- SiO₂ from first-principles calculations

(2014) Physical Review B - Condensed Matter and Materials Physics, 90 (1), art. no. 014108, .

Girard, S., Laurent, A., Pinsard, E., Robin, T., Cadier, B., Boutillier, M., Marcandella, C., Boukenter, A., Ouerdane, Y.

Radiation-hard erbium optical fiber and fiber amplifier for both low- and high-dose space missions

(2014) Optics Letters, 39 (9), pp. 2541-2544.

León, M., Giacomazzi, L., Girard, S., Richard, N., Martín, P., Martín-Samos, L., Ibarra, A., Boukenter, A., Ouerdane, Y.

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Girard, S., Laurent, A., Pinsard, E., Robin, T., Cadier, B., Boutillier, M., Marcandella, C., Boukenter, A., Ouerdane, Y.

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(2014) Proceedings of SPIE - The International Society for Optical Engineering, 8971, art. no. 89710E, .

Cangialosi, C., Ouerdane, Y., Girard, S., Boukenter, A., Cannas, M., Delepine-Lesoille, S., Bertrand, J., Paillet, P.

Hydrogen and radiation induced effects on performances of Raman fiber-based temperature sensors

(2014) Proceedings of SPIE - The International Society for Optical Engineering, 9157, art. no. 91576U, .

Richard, N., Girard, S., Giacomazzi, L., Martin-Samos, L., Di Francesca, D., Marcandella, C., Alessi, A., Paillet, P., Agnello, S., Boukenter, A., Ouerdane, Y., Cannas, M., Boscaino, R.

Coupled theoretical and experimental studies for the radiation hardening of silica-based optical fibers

(2014) IEEE Transactions on Nuclear Science, 61 (4), art. no. 6870492, pp. 1819-1825.

Boudjouan, F., Chelouche, A., Touam, T., Djouadi, D., Khodja, S., Tazerout, M., Ouerdane, Y., Hadjoub, Z.

Effects of stabilizer ratio on photoluminescence properties of sol-gel ZnO nano-structured thin films

(2014) Journal of Luminescence, 158, pp. 32-37.