

Tiziana Cesca – Pubblicazioni

Pubblicazioni su rivista regolare con referee

- [1] B. Kalinic, T. Cesca, G. Perotto, C. Scian, G. Battaglin, P. Mazzoldi, and G. Mattei, **Controlling the emission rate of Er^{3+} ions by the interaction with thin films**, submitted to Sci. Rep (Nature Publishing Group).
- [2] M. Meneghini, N. Trivellin, M. Berti, T. Cesca, A. Gasparotto, A. Vinattieri, F. Bogani, D. Zhu, C. J. Humphreys, G. Meneghesso and E. Zanoni, **Changes in the Mg profile and in dislocations induced by high temperature annealing of blue LEDs**, SPIE-Photonics West (2013) in press.
- [3] G. Bellocchi, G. Franzò, S. Boninelli, M. Miritello, T. Cesca, F. Iacona, and F. Priolo, **Structural and luminescence properties of undoped and Eu-doped SiOC thin films**, IOP Conference Series (2013) in press.
- [4] G. Bellocchi, F. Iacona, M. Miritello, T. Cesca and G. Franzò, **SiOC thin films: an efficient light source and an ideal host matrix for Eu^{2+} ions**, Opt. Express (2013) in press.
- [5] C. Maurizio, T. Cesca, B. Kalinic, C. Scian, C. Battaglin, P. Mazzoldi, and G. Mattei, **Effect of ultra-small AuAg aggregates formed by ion implantation in Er-implanted silica on the Er^{3+} luminescence**, Nucl. Instrum. Methods Phys. Res. B (2013) in press.
- [6] T. Cesca, C. Maurizio, B. Kalinic, C. Scian, E. Trave, C. Battaglin, P. Mazzoldi, and G. Mattei, **Luminescent ultra-small gold nanoparticles obtained by ion implantation in silica**, Nucl. Instrum. Methods Phys. Res. B (2013) in press.
- [7] P. Mazzoldi, G. Mattei, G. Battaglin, V. Bello, T. Cesca, S. Carturan, C. de Julian Fernandez, C. Maurizio, G. Pellegrini and C. Scian, **Au clustering formation by implantation in silica: optical, magnetic and sensing properties**, Rad. Eff. and Def. in Solids (2013) doi: 10.1080/10420150.2013.764523.
- [8] T. Cesca, C. Maurizio, B. Kalinic, G. Perotto, P. Mazzoldi, E. Trave, C. Battaglin and G. Mattei, **Implantation damage effects on the Er^{3+} luminescence in silica**, Opt. Express **20** (2012) 16639.
- [9] T. Cesca, P. Calvelli, G. Battaglin, P. Mazzoldi and G. Mattei, **Nonlinear Optical Response of Gold-Silver Nanoplanets**, Rad. Eff. and Def. in Solids **167** (2012) 520.
- [10] G. Bellocchi, G. Franzò, F. Iacona, S. Boninelli, M. Miritello, T. Cesca and F. Priolo, **Eu^{3+} reduction and efficient light emission in Eu_2O_3 films deposited on Si substrates**, Opt. Express **20** (2012) 5501.
- [11] T. Cesca, G. Mattei, P. Mazzoldi, P. Calvelli and G. Battaglin, **Local-field enhancement effects on the nonlinear optical response of gold-silver nanoplanets**, Opt. Express **20** (2012) 4537.
- [12] C. Maurizio, E. Trave, G. Perotto, V. Bello, D. Pasqualini, P. Mazzoldi, C. Battaglin, T. Cesca, C. Scian, and G. Mattei, **Enhancement of the Er^{3+} luminescence in Er-doped silica by few-atom metal aggregates**, Phys. Rev. B **83**, (2011) 195430.
- [13] P. Mazzoldi, G. Mattei, C. Maurizio, E. Trave, T. Cesca, V. Bello, S. Mariazzi and R.S. Brusa, **Enhancement of the Er^{3+} luminescence by metal aggregates**, Rad. Eff. and Def. in Solids **166** (2011) 357-366.

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- [26] A. Amore Bonapasta, F. Filippone, A. Gasparotto and T. Cesca, **Effects of n-type doping on active Fe sites in ion implanted Fe in InP**, *Appl. Phys. Lett.* **88** (2006) 251912.
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