

PUBLICATIONS

Papers in international journals.

- García-Santamaría, F., Ibisate, M., Rodríguez, I., Meseguer, F. & López, C. "Photonic Band Engineering in Opals by growth of Si/Ge multilayer shells.", *Adv. Mater.* **15**, 788 (2003).
- García-Santamaría, F., Miyazaki, H. T., Urquía, A., Ibisate, M., Belmonte, M., Shinya, N., Meseguer, F. & López, C. "Nanorobotic manipulation of microspheres for on-chip diamond architectures." *Adv. Mater.* **14**, 1144 (2002).
- Rodríguez-Gonzalez, B., Salgueiriño-Maceira, V., García-Santamaría, F. & Liz-Marzán, L. M. "Fully accessible gold nanoparticles within ordered macroporous solids." *Nano Lett.* **2**, 471 (2002).
- García-Santamaría, F., Salgueiriño-Maceira, V., López, C. & Liz-Marzán, L. M. "Synthetic opals based on silica-coated gold nanoparticles." *Langmuir* **18**, 4519 (2002).
- García-Santamaría, F., Míguez, H., Ibisate, M., Meseguer, F. & López, C. "Refractive index properties of calcined silica submicrometer spheres." *Langmuir* **18**, 1942 (2002).
- Meseguer, F., Blanco, A., Míguez, H., García-Santamaría, F., Ibisate, M. & López, C. "Synthesis of inverse opals." *Colloid Surf. A-Physicochem. Eng. Asp.* **202**, 281 (2002).
- García-Santamaría, F., López, C., Meseguer, F., López-Tejeira, F., Sánchez-Dehesa, J. & Miyazaki, H. T. "Opal-like photonic crystal with diamond lattice." *Appl. Phys. Lett.* **79**, 2309 (2001).
- Míguez, H., Chomski, E., García-Santamaría, F., Ibisate, M., John, S., López, C., Meseguer, F., Mondia, J. P., Ozin, G. A., Toader, O. & van Driel, H. M. "Photonic bandgap engineering in germanium inverse opals by chemical vapor deposition." *Adv. Mater.* **13**, 1634 (2001).
- Holgado, M., García-Santamaría, F., Blanco, A., Ibisate, M., Cintas, A., Míguez, H., Serna, C. J., Molpeceres, C., Requena, J., Mifsud, A., Meseguer, F. & López, C. "Electrophoretic deposition to control artificial opal growth." *Langmuir* **15**, 4701 (1999).

Book chapter.

- Míguez, H., Blanco, A., García-Santamaría, F., Ibisate, M., López, C., Meseguer, F., López-Tejiera, F. & Sanchez-Dehesa, J. “Inverse Opals Fabrication.” NATO Science Series C, Mathematical and Physical Sciences, KLUWER ACADEMIC PUBLISHERS, **563**, pp. 219-228 (2001).

Especial mentions.

- Cover of the year 2002 award in Advanced Materials.
- Cover picture in Advanced Materials 15 (10), 2003.
- Cover picture in Advanced Materials 14 (16), 2002.