



GEMaC

Groupe d'Étude
de la Matière Condensée

PUBLICATIONS OEN 2009 AND BEFORE

2009

- P. Spinicelli, B. Mahler, S. Buil, X. Quélin, B. Dubertret, and J-P. Hermier, "*Non-Blinking Semiconductor Colloidal Quantum Dots for Biology, Optoelectronics and Quantum Optics*", Chem. Phys. Chem. **10**, 879 (2009) - <http://onlinelibrary.wiley.com/doi/10.1002/cphc.200800827/abstract>
- L. Coolen, P. Spinicelli, J-P. Hermier, "*Emission spectrum and spectral diffusion of a single CdSe/ZnS nanocrystal measured by photon-correlation Fourier spectroscopy*", JOSA B **26**, 1463 (2009) - <http://www.opticsinfobase.org/JOSAB/abstract.cfm?URI=JOSAB-26-7-1463>
- S. Buil, P. Spinicelli, I. Mallek-Zouari, G. Camps, X. Quélin, B. Mahler, B. Dubertret, J-P. Hermier, "*Quantum cascades of photons in colloidal core-shell quantum dots*", J. Phys. B: Atomic, Molecular and Optical Physics **42**, 114003 (2009) - <http://iopscience.iop>.

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- L. Coolen, X. Brokmann, P. Spinicelli and J-P. Hermier, "*Emission characterization of a single CdSe-ZnS nanocrystal with high temporal and spectral resolution by photon-correlation fourier spectroscopy*", Phys. Rev. Lett. **100**, 027403 (2008) - <http://link.aps.org/doi/10.1103/PhysRevLett.100.027403>

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- L. Coolen, X. Brokmann and J-P. Hermier, "*Modeling coherence measurements on a spectrally diffusing single-photon emitter*", Phys. Rev. A **76**, 033824 (2007) - <http://link.aps.org/doi/10.1103/PhysRevA.76.033824>

- J. Laverdant, S. Buil and X. Quélin, "*Local field enhancements on gold and silver nanostructures for aperture near-field spectroscopy*", J. Luminescence **127**, 176 (2007) - <http://dx.doi.org/10.1016/j.jlumin.2007.02.050>

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- S. Buil, J. Aubineau, J. Laverdant and X. Quélin, "*Local field intensity enhancements on gold semicontinuous films investigated with an aperture nearfield optical microscope in collection mode*", J. Appl. Phys. **100**, 063530 (2006) - <http://dx.doi.org/10.1063/1.2335664>
- T. Hamon, S. Buil, E. Popova, P. R. Dahoo and N. Keller, "*Investigation of a one-dimensional magnetophotonic crystal for the study of ultrathin magnetic layer*", J. Phys. D **39**, 1012 (2006) - <http://iopscience.iop.org/0022-3727/39/6/003>
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