

PUBLICATIONS

- (1) A. Courty, M. Mons, J. Le Calvé, F. Piuzzi, and I. Dimicoli, Chemistry of aromatic cations on water clusters : magic numbers as a mass spectroscopic diagnostic of reactivity, *J. Phys. Chem. A* 101, 1445 (1997).
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- (5) A. Taleb, V. Russier, A. Courty, and M.P. Pileni, *Phys. Rev. B*, 59, 13350 (1999). "Collective Optical properties of silver nanoparticles organized in two-dimensional superlattices "
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- (11) M.P. Pileni, Y. Lalatone, D. Ingert, I. Lisiecki and A. Courty, *Faraday Discussion*, (2003) accepted "Self-assemblies of nanocrystals : preparation, collective properties and Uses"
- (12) A.Courty, A. Mermet, P.A. Albouy, E. Duval, and M.P. Pileni "Vibrational coherence of self-organized silver nanocrystals in fcc supra-crystals" , *Nature Materials* 4 (2005) 395
- (13) E. Duval , A. Mermet , A.Courty, ,P.A. Albouy, and M.P. Pileni "Coherence effects on Raman scattering from self organized Ag nanocrystals: Theory", *Phys. Rev. B*, 72 (2005) 0854395
- (14) A.Courty, P.A. Albouy, A. Mermet, E. Duval, and M.P. Pileni "Intrinsic Vibrational coherence in FCC supra-crystals of silver nanocrystals: Raman scattering measurements", *J.Phys.Chem* in press (2005)

Three Chapters in books:

- 2004** "Auto assemblage de nanomatériaux à l'échelle macroscopique" A. Courty;
book titled "Les Nanosciences : Nanotechnologies et Nanophysique", Edition Belin, Collection Echelles,
- 2005-** "Collective properties of silver nanocrystals" A.Brioude, A. Courty and M.P.Pileni
'Self organization of nanocrystals" L. Motte; A.Courty, A.T Ngo, I.Lisiecki and M.P. Pileni
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