

- [Controlled self-assembly of electron donor nanotubes](#) J. L. López, E. M. Pérez, P. M. Viruela, R. Viruela, E. Ortí and N. Martín, *Org. Lett.* 2009, **11**, 4524-4527.
- [Spatial Control of Energy Transfer in Supramolecular Host-Guest Architectures](#) L. Viani, L. Poulsen Tolbod, M. Jazdyk, G. Patrinoiu, F. Cordella, A. Mura, G. Bongiovanni, C. Botta, D. Beljonne, J. Cornil, M. Hanack, H.-J. Egelhaaf, J. Gierschner, *J. Phys. Chem. B.* **113** (2009) 10566–10570.
- [On the Origin of Small Band Gaps in Alternating Thiophene–Thienopyrazine Oligomers](#) B. P. Karsten, L. Viani, J. Gierschner, J. Cornil, R. A. J. Janssen, *J. Phys. Chem. A* **113** (2009) 10343–10350.
- [An efficient approach to chiral fullerene derivatives by catalytic enantioselective 1,3-dipolar cycloadditions](#) Salvatore Filippone, Enrique E. Maroto, Ángel Martín-Domenech, Margarita Suarez & Nazario Martín *Nature Chemistry* **1**, 578 - 582 (2009)
- [Evolution of DNA Origami](#). Álvaro Somoza *Angew. Chem. Int. Ed.*, **48**, 9406 (2009)
- [Ultrafast Dynamics in Metallic and Semiconducting Carbon Nanotubes](#) Larry Lüer, Guglielmo Lanzani, Jared Crochet, Tobias Hertel, Josh Holt, and Z. Valy Vardeny, *Phys. Rev. B* **80**, 205411 (2009)
- **Low Light Adaptation: Energy Transfer Processes in Different Types of Light Harvesting Complexes from *Rhodospseudomonas palustris*** Vladimira Moulisova, Larry Luer, Sajjad Hoseinkhani, Tatas H. P. Brotosudarmo, Aaron M. Collins, Guglielmo Lanzani, Robert E. Blankenship, and Richard J. Cogdell, *Biophysical Journal* **97**, 123003 (2009)
- [Crystallographic and Electronic Contribution to the Apparent Step Height in Nanometer-thin Pb\(111\) Films Grown on Cu\(111\)](#) F. Calleja, A.L. Vázquez de Parga, E. Anglada, J.J. Hinarejos, R. Miranda y F. Yndurain *New Journal of Physics*, 2009, **11**, 123003
- [Photoinduced Electron Transfer in a Fullerene–Oligophenylenevinylene Dyad](#) **Aline Gégout**, Juan Luis Delgado, Jean-François Nierengarten, Béatrice Delavaux-Nicot, Andrea Listorti, Claudio Chiorboli, Abdelhalim Belbakra and Nicola Armaroli *New J. Chem.*, 2009, **33**, 2174
- **Carbon Nanotubes and related structures** M. Angeles Herranz, Juan Luis Delgado and Nazario Martín, Contemporary Inorganic Materials collection, Volume 4 (Low dimensional solids) 2009 Wiley-VCH.
- [Competitive Retro-Cycloaddition Reaction in Fullerene Dimers Connected through Pyrrolidinopyrazolino Rings](#) Juan Luis Delgado, Silvia Osuna, Pierre-Antoine Bouit, Roberto Martínez-Álvarez, Eva Espíldora, Miquel Solà, Nazario Martín. *J. Org. Chem.*(2009), **74**, 8174
- [A "Cyanine-Cyanine" Salt Exhibiting Photovoltaic Properties](#) Pierre-Antoine Bouit, Daniel Rauh, Stefan Neugebauer, Juan Luis Delgado, Emmanuel Di Piazza, Stéphane Rigaut, Olivier Maury, Chatal Andraud, Vladimir Dyakonov, Nazario Martín. *Org. Lett.*(2009), **11**, 4806
- [FullereneDimers \(C60/C70\) for Energy Harvesting](#) Juan Luis Delgado, Eva Espíldora, Moritz Liedtke, Andreas Sperlich, Daniel Rauh, Andreas Baumann, Carsten Deibel, Vladimir Dyakonov, and Nazario Martín *Chem. Eur. J.*, 2009, 13474
- [Emergence of Non-Collinear Anisotropies from Interfacial Magnetic Frustration in Exchange Bias Systems](#) E. Jiménez, J. Camarero, J. Sort, J. Nogués, , N. Mikuszeit, A. Hoffmann, J. M. García-Martín, B. Dieny, and R. Miranda, *Phys. Rev. B* **80**, 014415 (2009)

- [High Curie Temperature for La_{0.7}Sr_{0.3}MnO₃ Thin Films Deposited on CeO₂/YSZ-Based Buffered Silicon Substrates](#) P Perna, L Mechin, M P Chauvat, P Ruterana, Ch Simon and U Scotti di Uccio *J. Phys.: Condens. Matt.* **21**, 306005 (2009)
- [Highly Asymmetric Magnetic Behavior In Exchange Biased Systems Induced By Noncollinear Field Cooling](#) E. Jiménez, J. Camarero, J. Sort, J. Nogués, A. Hoffmann, F. J. Teran, P. Perna, J. M. García-Martín, B. Dieny, and R. Miranda *Applied Physics Letters* **95**, 122508 (2009)
- [A Deep Red-Emitting Perylenediimide-Iridium-Complex Dyad: Following the Photophysical Deactivation Pathways](#) R. D. Costa, F. J. Céspedes-Guirao, H. J. Bolink, F. Fernández-Lázaro, A. Sastre-Santos, E. Ortí, J. Gierschner, *J. Phys. Chem. C* **113** (2009) 19292–19297.
- [Conjugated Polymers with Large Effective Stokes Shift: Benzobisdioxole-based Poly\(phenyleneethynylene\)s](#) T. Dutta, K. B. Woody, S. R. Parkin, M. D. Watson, J. Gierschner, *J. Am. Chem. Soc.*, 2009, **131**, 17321
- [Efficient Deep-Red Light-Emitting Electrochemical Cells based on a Perylenediimide-Iridium-Complex Dyad](#) R. D. Costa, F. J. Céspedes-Guirao, E. Ortí, H. J. Bolink, J. Gierschner, F. Fernández-Lázaro, A. Sastre-Santos, *Chem. Comm.* (2009) 3886-3888
- [White-Light-Emitting Molecule: Frustrated Energy Transfer between Constituent Emitting Centers](#) S. Park, J. E. Kwon, S. H. Kim, J. Seo, K. W. Chung, S.-Y. Park, D.-J. Jang, B. Milián Medina, J. Gierschner, S. Y. Park, *J. Am. Chem. Soc.* **131** (2009) 14043-14049.
[ACS Press Pac Special Mention: "New approach in the quest for a lighting's Holy Grail"](#)
Front Cover of the issue
- [Electronic properties of gold thin films studied by electron energy loss spectroscopy](#) A. Politano and G. Chiarello, *Gold Bulletin*, **42**, 195-200, 2009
- [Single Centrosome Manipulation Reveals its Electric Charge and Associated Dynamic Structure](#) S. Hormeño, B. Ibarra, F.J. Chichón, K. Habermann, B.M.H. Lange, J.M. Valpuesta, J.L. Carrascosa and J.R. Arias-Gonzalez *Biophys J.* (2009) **97**, 1022–1030
- [Graphene: Surfing ripples towards new devices](#) Rodolfo Miranda & Amadeo L. Vázquez de Parga *Nature Nanotechnology* **4**, 549 - 550 (2009)
- [Thermal stability of Cu and Fe nitrides and their applications for writing locally spin valves](#) C. Navío, J. Alvarez, M.J. Capitan, J. Camarero and R. Miranda *Applied Physics Letters* **94**, 263112 (2009)
- [Dynamics of Guest Molecules in PHTP Inclusion Compounds as Probed by Solid-State NMR and Fluorescence Spectroscopy](#) G. Srinivasan, J. A. Villanueva-Garibay, K. Müller, D. Oelkrug, B. Milián Medina, D. Beljonne, J. Cornil, M. Wykes, L. Viani, J. Gierschner, R. Martínez Alvarez, M. Jazdyk, M. Hanack, H.-J. Egelhaaf, *Phys.Chem.Chem.Phys.* **11** (2009) 4996-5009
- [Electronic Structure of Small Bandgap Polymers Based on Cyclopentadithiophenes and Acceptor Units](#) B. P. Karsten, J. C. Bijleveld, L. Viani, J. Cornil, J. Gierschner, R. A. J. Janssen, *J. Mater. Chem.* **19** (2009) 5343-5350
- [Self-organization of curved living polymers: FtsZ protein filaments](#) Alfonso Paez, Pedro Tarazona, Pablo Mateos-Gil and Marisela Vélez, *Soft Matter*, 2009, **5**, 2625-2637 DOI: 10.1039/b902935d

- [Comparative vibrational study on alkali coadsorption with CO and O on Ni\(111\) and Cu\(111\)](#) Antonio Politano, Vincenzo Formoso, Gennaro Chiarello *J. Phys.: Condens. Matter* **21**, 264006 (2009)
- [Fullerene for Organic Electronics](#) Dirk M. Guldi, Beatriz M. Illescas, Carmen M. Atienza, Mateusz Wielopolski, Nazario Martín *Chem. Soc. Rev.* 2009, **38**, 1587
- [Damping of the surface plasmon in clean and K-modified Ag thin films](#) Antonio Politano, Vincenzo Formoso and Gennaro Chiarello, *J. El. Spec. Rel. Phen.* **173**, 12-17 (2009)
- [Organizing electroactive materials for organic solar cells](#) Emilio M. Pérez and Nazario Martín *SPIE Newsroom* 2009 10.1117/2.1200905.1657
- [Ordering Fullerenes at the Nanometer Scale on Solid Surfaces](#) Luis Sánchez, Roberto Otero, José María Gallego, Rodolfo Miranda, and Nazario Martín *Chem. Rev.* 2009, **109**, 2081–2091
- [Tuning the lifetime of the surface plasmon upon sputtering](#) A. Politano, and G. Chiarello *Phys. Status Solidi* 2009, RRL **3**, 136–138 (2009)
- [Quantum Oscillations in Surface Properties](#) A.L. Vazquez de Parga, J.J. Hinarejos, F. Calleja, J. Camarero, R. Otero, and R. Miranda *Surface Science* **603** (2009) 1389–1396
- [Discrete supramolecular donor-acceptor complexes](#) S. Shankara Gayathri, Mateusz Wielopolski, Emilio M. Pérez, Gustavo Fernández, Luis Sánchez, Rafael Viruela, Enrique Ortí, Dirk M. Guldi, and Nazario Martín *Angew. Chem. Int. Ed.* 2009, **48**, 815
- [Dynamics of quartz tuning fork force sensors used in scanning probe microscopy](#) Castellanos-Gomez A, Agrait N, Rubio-Bollinger *G Nanotechnology* **20**, 215502 (2009)
- [Ultralong Natural Graphene Nanoribbons and Their Electrical Conductivity](#) Moreno-Moreno M, Castellanos-Gomez A, Rubio-Bollinger G, Gomez-Herrero J, Agrait N *Small* **5**, 924 (2009).
- [Collective electronic excitations in systems exhibiting quantum well states](#) Antonio Politano and Gennaro Chiarello, *Surf. Rev. Lett.* **16**, 171 (2009)
- [Supramolecular chemistry of pi-extended analogues of TTF and carbon nanostructures](#) Perez EM, Illescas BM Herranz MA, Martin N. *New Journal of Chemistry* **33**, 228 (2009)
- [Reactivity of periodically rippled graphene grown on Ru\(0001\)](#) B. Borca, F. Calleja, J.J. Hinarejos, A.L. Vázquez de Parga, R. Miranda *Journal of Physics: Condensed Matter* , **21** (2009) 134002.
- [Electronic properties of metallic bilayers deposited on Cu\(111\): A comparative study](#) Antonio Politano, Vincenzo Formoso, Gennaro Chiarello *Surface Science* **603** (2009) 932-936.
- [Annealing effects on the plasmonic excitations of metal/metal interfaces](#) A. Politano, V. Formoso, G. Chiarello *Applied Surface Science*, **255**, 2009, 6038.
- [The influence of surface functionalization on the enhanced internalization of magnetic nanoparticles in cancer cells](#) Angeles Villanueva, Magdalena Cañete, Alejandro G Roca, Macarena Calero, Sabino Veintemillas-Verdaguer, Carlos J Serna, María del Puerto Morales and Rodolfo Miranda *Nanotechnology*, **20** 115103, 2009.
- [Probing collective electronic excitations in as-deposited and modified Ag thin films grown on Cu\(111\)](#) A. Politano, V. Formoso E. Colavita and G. Chiarello *Physical Review B* **79**, 045426 (2009)

- [**Molecular vs. Inorganic Spintronics: The Role of Molecular Materials and Single Molecules**](#) Camarero J, Coronado E, *Journal of Materials Chemistry* **19**, 1678 (2009)
- [**High Domain Wall Velocity at Zero Magnetic Field Induced by Low Current Densities in Spin Valve Nanostripes**](#) Stefania Pizzini, Vojtech Uhlir, Jan Vogel, Nicolas Rougemaille, Sana Laribi, Vincent Cros, Erika Jimenez, Julio Camarero; Carsten Tieg, Edgar Bonet, Marlio Bonfim, Richard Mattana, Cyrile Deranlot, Frederic Petroff, Christian Ulysse, Giancarlo Faini, and Albert Fert *Applied Physics Express* **2** 023003 (2009)
- [**Exciton versus Electronic Couplings in Molecular Assemblies: The Importance of Non-Nearest Neighbour Interactions**](#) J. Gierschner, Y.-S. Huang, B. Van Averbeke, J. Cornil, R. H. Friend, D. Beljonne, *J. Chem. Phys.* **130** (2009) 044105.
- [**Conformational Disorder and Ultrafast Exciton Relaxation in PPV-family Conjugated Polymers**](#) T. E. Dykstra, E. Hennebicq, D. Beljonne, J. Gierschner, G. Claudio, E. R. Bittner, J. Knoester, G. D. Scholes, *J. Phys. Chem. B* **113** (2009) 656-667.
- [**Spectroscopic Signatures for Planar Equilibrium Geometries in Methyl-Substituted Oligothiophenes**](#) G. Macchi, B. Milián Medina, M. Zambianchi, R. Tubino, J. Cornil, G. Barbarella, J. Gierschner, F. Meinardi, *Phys.Chem.Chem.Phys.* **11** (2009) 984-990.
- [**Collective fluid dynamics of a polariton condensate in a semiconductor microcavity**](#) A. Amo, D. Sanvitto, F. P. Laussy, D. Ballarini, E. del Valle, M. D. Martin, A. Lemaître, J. Bloch, D. N. Krizhanovskii, M. S. Skolnick, C. Tejedor & L. Viña *Nature* **457**, 2009, 292.
- [**Exciton-polariton condensation in a natural two-dimensional trap**](#) D. Sanvitto, A. Amo, and L. Viña R. André D. Solnyshkov and G. Malpuech *Physical Review B* **80**, 045301 (2009)
- [**Observation of Long-Lived Polariton States in Semiconductor Microcavities across the Parametric Threshold**](#) D. Ballarini, D. Sanvitto, A. Amo, L. Viña, M. Wouters, I. Carusotto, A. Lemaître, and J. Bloch *Physical Review Letters* **102**, 056402 (2009)
- [**Dynamics of the Formation and Decay of Coherence in a Polariton Condensate**](#) E. del Valle, D. Sanvitto, A. Amo, F. P. Laussy, R. André, C. Tejedor, and L. Viña *Physical Review Letters* **103**, 096404 (2009)