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[LINDA ANGELA ZOTTI](#) PhD - Retos I+D+i
2014 [Quantum Transport](#)

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Biographical Info

2016: RETOS I+D+i 2014 fellow.

2015: Postdoc at TCD (Dublin, Ireland) in the group of D.O'Regan and S.Sanvito.

2014: Postdoc at UAM in the group of [Ruben Perez](#).

2012-2013: Postdoc at UAM in the group of Juan Jose Palacios.

2008-2011: Postdoc at UAM in the group of [Juan Carlos Cuevas](#).

2008: PhD (Liverpool, United Kingdom).

2004: Studentship at Centro Laser (Bari, Italy).

2003: Degree in physics (Bari, Italy).

Research Interests

Molecular electronics, surface science, transport through single-molecule junctions.

Relevant/Recent Publications

Heat dissipation and its relation to thermopower in single-molecule junctions LA Zotti, M Bürkle, F Pauly, W Lee, K Kim, W Jeong, Y Asai, P Reddy, *New Journal of Physics* 16 (1), 015004 (2014). [\[URL\]](#)

Heat dissipation in atomic-scale junctions W Lee, K Kim, W Jeong, LA Zotti, F Pauly, JC Cuevas, P Reddy *Nature* 498 (7453), 209-212 (2013). [\[URL\]](#)

A Molecular Platinum Cluster Junction: A Single-Molecule Switch LA Zotti, E Leary, M Soriano, JC Cuevas, JJ Palacios *Journal of the American Chemical Society* 135 (6), 2052-2055 (2013). [\[URL\]](#)

Electronic transport through single noble gas atoms LA Zotti, M Bürkle, YJ Dappe, F Pauly, JC Cuevas *Physical Review B* 84 (19), 193404 (2011). [\[URL\]](#)

Single-molecule junctions based on nitrile-terminated biphenyls: A promising new

anchoring group A Mishchenko, LA Zotti, D Vonlanthen, M Bürkle, F Pauly, JC Cuevas, Thomas Wandlowski *Journal of the American Chemical Society* 133 (2), 184-187 (2011). [\[URL\]](#)

Revealing the Role of Anchoring Groups in the Electrical Conduction Through Single-Molecule Junctions LA Zotti, T Kirchner, JC Cuevas, F Pauly, T Huhn, E Scheer, A Erbe *Small* 6 (14), 1529-1535 (2010). [\[URL\]](#)

Dipole-directed assembly of lines of 1, 5-dichloropentane on silicon substrates by displacement of surface charge KR Harikumar, T Lim, IR McNab, JC Polanyi, L Zotti, S Ayissi, WA Hofer *Nature nanotechnology* 3 (4), 222-228 (2008). [\[URL\]](#)

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