Light trapping in solar cells using resonant nanostructures
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List of publications

This thesis is based on the following publications:

- *Controlling Fano lineshapes in plasmon-mediated light coupling into a substrate*, P. Spinelli, M. van Lare, E. Verhagen and A. Polman, Optics Express 19, A303-A311 (2011). *(Chapter 3)*


- *Prospects of near-field plasmonic absorption enhancement in semiconductor materials using embedded Ag nanoparticles*, P. Spinelli and A. Polman, Optics Express 20, A641-A654 (2012). *(Chapter 5)*


- *Experimental demonstration of light trapping beyond the 4n^2 limit in thin Si slabs using resonant surface Si Mie scatterers*, P. Spinelli, C. Teplin, M. A. Verschuuren and A. Polman, in preparation. *(Chapter 8)*


- *Effect of EVA encapsulation on light trapping in thin-film c-Si solar cells by using plasmonic and Mie nanoscaters*, P. Spinelli, B. Newman and A. Polman, in preparation. *(Chapter 10)*
**Other publications by the author:**

