Stellingen

behorende bij het proefschrift

Device physics of colloidal quantum dot solar cells

van

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1. Building tandem solar cells is very challenging, but there is great potential for efficient solar cells. (Ch. 2).
2. Despite introducing an extra interface, adding a shell of CdS to quantum dots reduces the amount of surface trap states. (Ch. 3)
3. Temperature dependent measurements are a valuable tool in understanding the working mechanisms of solar cells. (Ch. 4)
4. There is still much room for improvement of PbS QD solar cells featuring a pn-junction by optimisation of the doping concentrations. (Ch. 4&5)
5. Alternatives to layer-by-layer deposition will have to be found if PbS QD solar cells are to become a viable technology.
6. Statements of scientists aren't necessarily statements of science.

   - John Lennox

7. I feel like one of the reasons we are struggling inadequately today is because we reckon our costs on too shortsighted a basis and are later overwhelmed with the unexpected costs brought about by our shortsightedness.

   - Sir R. Buckminster "Bucky" Fuller

8. There is a fine line between the Einstein's (incorrectly attributed) definition of insanity, and admirable perseverance.
9. Faith can offer little to science. To the scientist, much.
10. A good scientist must have enough humility to admit when he is wrong, and to ask questions about what he doesn't understand.