

## Photovoltaics (Organic solar cells)

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As our supplies of fossil fuels run out, there is a lot of research investigating alternative means of energy production. Inorganic solar cells have been on the markets for quite some time now. Observing their pros and cons we find, that cheaper solar cells are needed in order to make solar energy attractive for the industry. Therefore we will investigate the up-to-date research on organic semiconductor materials. We will understand how they work and look like as well as discuss some differences to inorganic materials. Finally we will learn about the characteristics of the investigated solar cells. In the future, we want to be able to answer to questions like

- What is a (organic) solar cell?
- How does a solar cell work?
- What is the buildup of a solar cell?
- How can we characterize a solar cell ?

