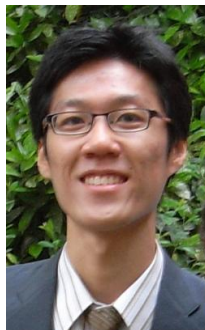


Stability of Organic/Perovskites Solar Cells -A brief introduction into labs/studies

Zhe Li

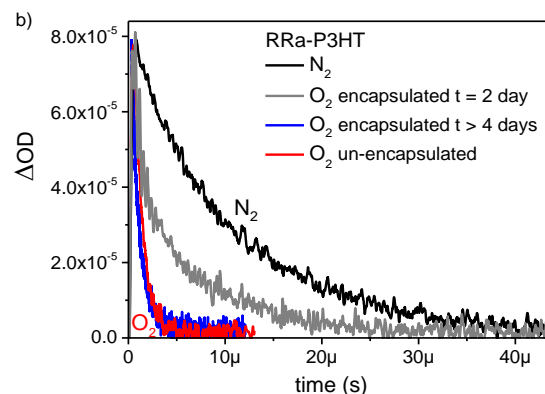
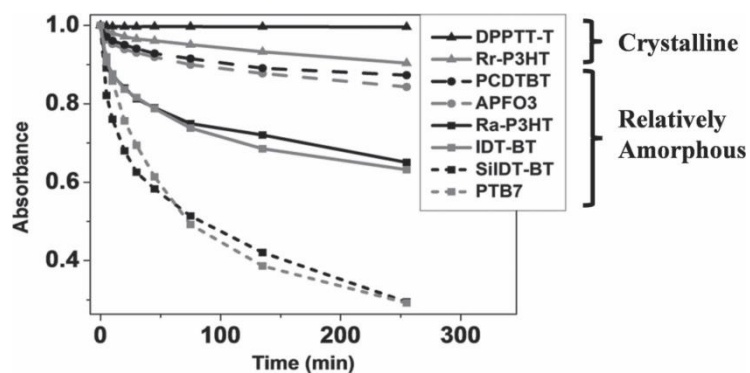
Barcelona

2014.10

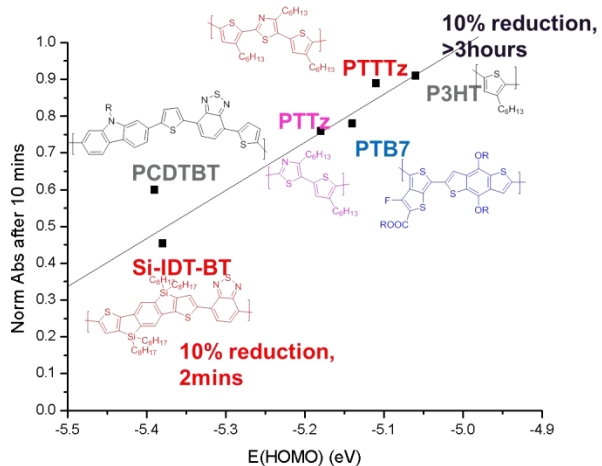


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➤ Photochemical stability:



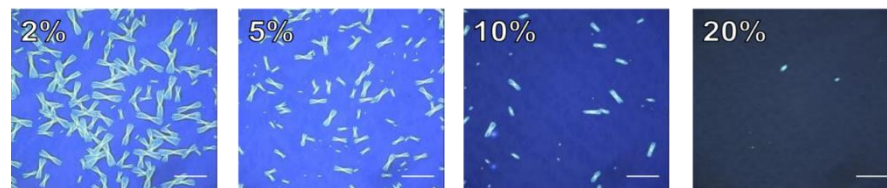
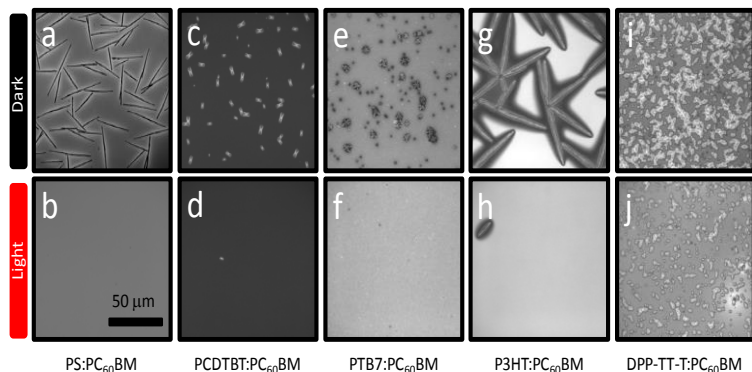
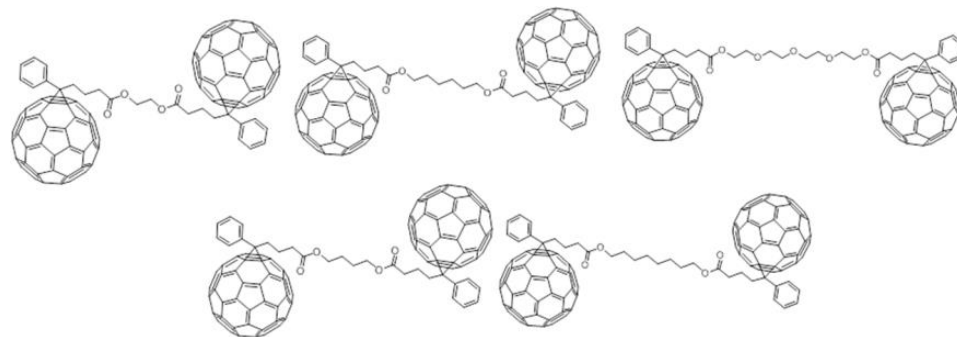
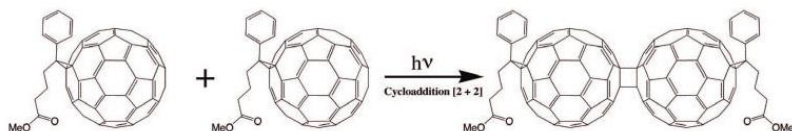
➤ Electrochemical stability:



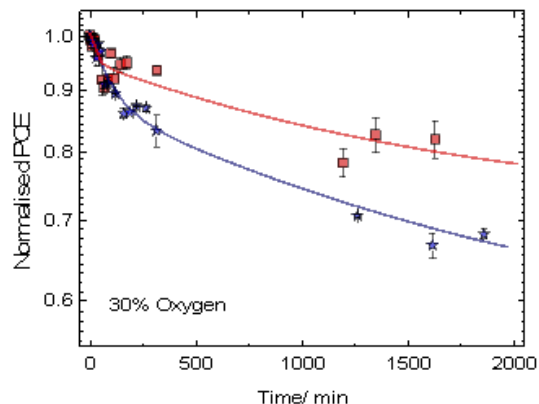
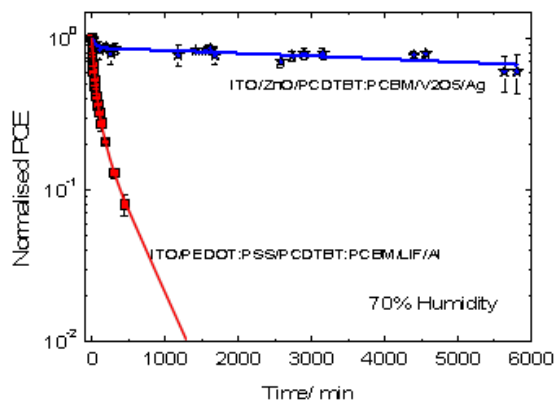
Chem. Comm. 49, 1291-1293 (2013),
Adv. Func. Mater., 24, 10, 1474-1482 (2013)
Chem. Comm. 2014, in press

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Morphological stability



Electrode stability



Nat. Comm. 4, 2227 (2013),
ACS Nano, 8, 1297-1308 (2014),
Angew. Chem. Int. Ed. 2014, in press

Stability Studies at SPECIFIC IKC, Swansea

- Ser Solar program, a multimillion program lead by Prof James Durrant, Prof Jenny Nelson and Prof Dave Worsley
- Aims to address key scientific and engineering challenges for the development and evaluation of ambient, solution processed photovoltaic technologies (OPVs, DSCs, Perovskites etc)
- Advanced manufacturing facilities
- Advanced characterization facilities
- A new stability lab
- A number of academic and postdoc positions available

