

Professor Frederik C. Krebs
Head of Section
Department of Energy Conversion and Storage
Technical University of Denmark
Frederiksborgvej 399
Building 111, room S05
4000 Roskilde
Denmark

tel: +45 4677 4799

email: frkr@dtu.dk

Dr. Frederik Krebs is a professor and head of section of the Solar Energy group at DTU Energy. Frederik has done research in the field of different solar cells for more than a decade and his main research interest is stability, material research and more recently large scale processing. He has published more than 300 papers in the field and is recognized throughout the international PV community, especially for organic photovoltaics.

Total publication: >400

Citation: >20000

H-index: 69

Selected publication:

1. Krebs, Frederik C "Fabrication and processing of polymer solar cells: A review of printing and coating techniques," SOLAR ENERGY MATERIALS AND SOLAR CELLS Volume: 93 Issue: 4 Special Issue: SI Pages: 394-412 Published: APR 2009, Citation No.: 1268

2. Jorgensen, Mikkel; Norrman, Kion; Krebs, Frederik C., "Stability/degradation of polymer solar cells," SOLAR ENERGY MATERIALS AND SOLAR CELLS Volume: 92 Issue: 7 Pages: 686-714 Published: JUL 2008, Citation No.: 1145

3. Bundgaard, Eva; Krebs, Frederik C., "Low band gap polymers for organic photovoltaics," SOLAR ENERGY MATERIALS AND SOLAR CELLS Volume: 91 Issue: 11 Pages: 954-985 Published: JUL 6 2007 Citation No.: 885

4. Spanggaard, H; Krebs, FC, "A brief history of the development of organic and polymeric photovoltaics," SOLAR ENERGY MATERIALS

AND SOLAR CELLS Volume: 83 Issue: 2-3 Pages: 125-146
Published: JUN 15 2004, Citation No.: 726

5. Krebs, Frederik C.; Gevorgyan, Suren A.; Alstrup, Jan, "A roll-to-roll process to flexible polymer solar cells: model studies, manufacture and operational stability studies," JOURNAL OF MATERIALS CHEMISTRY Volume: 19 Issue: 30 Pages: 5442-5451 Published: 2009 Citation No.: 714

6. Krebs, Frederik C.; Tromholt, Thomas; Jorgensen, Mikkel, "Upscaling of polymer solar cell fabrication using full roll-to-roll processing," NANOSCALE Volume: 2 Issue: 6 Pages: 873-886 Published: 2010 Citation No.: 564

7. Helgesen, Martin; Sondergaard, Roar; Krebs, Frederik C., "Advanced materials and processes for polymer solar cell devices," JOURNAL OF MATERIALS CHEMISTRY Volume: 20 Issue: 1 Pages: 36-60 Published: 2010, Citation No.: 549

8. Krebs, Frederik C.; Jorgensen, Mikkel; Norrman, Kion; et al., "A complete process for production of flexible large area polymer solar cells entirely using screen printing-First public demonstration," SOLAR ENERGY MATERIALS AND SOLAR CELLS Volume: 93 Issue: 4 Special Issue: SI Pages: 422-441 Published: APR 2009 Citation No.: 473