Thiophene in Conducting Polymers: Synthesis of Poly(thiophene)s and Other Conjugated Polymers Containing Thiophenes, for Application in Polymer Solar Cells

Conducting polymers based on thiophene are described. The polymers include poly(thiophene) with and without side-chains and other conjugated polymers in general, based on thiophene. The synthesis and characteristics of the polymers are described along with the application of these as light-absorbing materials in polymer solar cells.

General information
State: Published
Organisations: Department of Energy Conversion and Storage, Functional organic materials
Contributors: Livi, F., Carlé, J. E., Bundgaard, E.
Number of pages: 24
Pages: 203-226
Publication date: 2015

Host publication information
Title of host publication: Thiophenes
Publisher: Springer
Editor: Joule, J. A.
ISBN (Print): 978-3-319-07823-6
ISBN (Electronic): 978-3-319-07824-3
(Topics in Heterocyclic Chemistry, Vol. 39).
DOIs:
10.1007/t081_2014_128
Source: PublicationPreSubmission
Source-ID: 93717674
Research output: Research - peer-review : Book chapter – Annual report year: 2014