

Contents

Progress in the Synthesis of Poly(3-hexylthiophene)	1
Prakash Sista and Christine K. Luscombe	
Morphology of P3HT in Thin Films in Relation to Optical and Electrical Properties	39
Kim Tremel and Sabine Ludwigs	
Understanding the Structure and Crystallization of Regioregular Poly(3-hexylthiophene) from the Perspective of Epitaxy	83
Martin Brinkmann, Lucia Hartmann, Navaphun Kayunkid, and David Djurado	
P3HT and Other Polythiophene Field-Effect Transistors	107
Jana Zaumseil	
Morphology and Charge Transport in P3HT: A Theorist's Perspective	139
Carl Poelking, Kostas Daoulas, Alessandro Troisi, and Denis Andrienko	
P3HT-Based Solar Cells: Structural Properties and Photovoltaic Performance	181
Adam J. Moulé, Dieter Neher, and Sarah T. Turner	

P3HT Revisited – From Molecular Scale to Solar Cell
Devices

Ludwigs, S. (Ed.)

2014, VII, 232 p. 105 illus., 65 illus. in color., Hardcover

ISBN: 978-3-662-45144-1