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A Review of: "Organic Light-Emitting Devices, edited by Klaus Müllen and Ullrich Scherf"

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Book Review

Organic Light-Emitting Devices, edited by Klaus Müllen and Ullrich Scherf, Wiley-VCH, Weinheim, 2006; ISBN 978-3-527-31218-4; xvii + 410 p. $185; 139 Euro.

While electroluminescence in organics was reported in the 1960s, the current interest in this topic followed from considerably more recent reports in both molecular and polymeric materials. The present volume edited by Müllen and Scherf reviews the current status of this activity ranging from synthetic chemistry through device performance in twelve chapters. The volume has contributions from several of the leading investigators in the area including Alan Heeger, Richard Friend, Heinz Bässler, and Dieter Neher. Topics covered include electronic processes at polymer interfaces, conjugated polymer photophysics, polymer light-emitting diodes and displays formed from them, metal-polymer interface studies, synthesis of electroluminescent polymers, electrophosphorescent devices, and organic semiconductor lasers. The volume is recommended to professional practitioners as well as students seeking background in the area.

Several chapters use the term "conjugation length." A strong discussion is not provided as to what it is meant by the term.

The production of the volume is generally very good. The molecular structure in Figure 5.4 is incorrect. The axes of Figure 12.14 are labeled in German.

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