CONTENTS

Preface Contributors		vii
		xiii
1	Energy Transfer and Electronic Energy Migration Processes Li-Juan Fan and Wayne E. Jones Jr.	1
2	Optical Properties of Polyelectrolytes Linda Swanson	41
3	Chemiluminescence Processes in Polymeric Materials Teresa Corrales, Carmen Peinado, Concha Abrusci, Norman S. Allen, and Fernando Catalina	93
4	Nonlinear Optical Polymeric Materials Mirko Faccini, David N. Reinhoudt, and Willem Verboom	137
5	Metallodendrimers: Photophysical Properties and Related Applications Grégory Franc and Ashok K. Kakkar	185
6	Photochromic Polymers for Optical Data Storage: Azobenzenes and Photodimers <i>Avtar S. Matharu and P.S. Ramanujam</i>	209
7	Optical and Luminescence Properties and Applications of Metal Complex-Based Polymers <i>Joe A. Crayston and Joanne R. Ritchie</i>	235

8	Photovoltaic Polymer Materials Hazel Assender and Aaron Barkhouse	271
9	Organic Light-Emitting Diodes Sebastien Forget, Sebastien Chenais, and Alain Siove	309
10	Photoinitiators for Free Radical Polymerization Reactions Jean Pierre Fouassier, Xavier Allonas, Jacques Lalevée, and Céline Dietlin	351
11	Photoinitiated Cationic Polymerization: Reactivity and Mechanistic Aspects Muhammet U. Kahveci, Ali Gorkem Yilmaz, and Yusuf Yagci	421
12	Photoimaging and Lithographic Processes in Polymers Marius Gabriel Ivan and Juan Cesar (Tito) Scaiano	479
13	Photografting of Polymeric Materials Ali Ekrem Muftuoglu, Mehmet Atilla Tasdelen, and Yusuf Yagci	509
14	Photoablation of Polymer Materials Lukas Urech and Thomas Lippert	541
15	Photodegradation Processes In Polymeric Materials Jean-Luc Gardette, Agnès Rivaton, and Sandrine Therias	569
16	Photodegradable Polymers Sahar Al-Malaika, C. Hewitt, and H.H. Sheena	603
17	Photostabilisation of Polymer Materials <i>Pieter Gijsman</i>	627
Ind	Index	

vi