

CONTENTS

Preface	vii
Contributors	xi
1 Dynamics of Guest Binding to Supramolecular Assemblies	1
<i>Cornelia Bohne</i>	
2 Templating Photoreactions in Solution	53
<i>Dario M. Bassani</i>	
3 Complexation of Fluorescent Dyes by Macrocyclic Hosts	87
<i>Roy N. Dsouza, Uwe Pischel, and Werner M. Nau</i>	
4 Supramolecular Photochirogenesis	115
<i>Cheng Yang and Yoshihisa Inoue</i>	
5 Real-Time Crystallography of Photoinduced Processes in Supramolecular Framework Solids	155
<i>Philip Coppens and Shao-Liang Zheng</i>	
6 Bimolecular Photoreactions in the Crystalline State	175
<i>Arunkumar Natarajan and Balakrishna R. Bhogala</i>	
7 Structural Aspects and Templation of Photochemistry in Solid-State Supramolecular Systems	229
<i>Menahem Kaftory</i>	
8 Photochromism of Multicomponent Diarylethene Crystals	267
<i>Masakazu Morimoto and Masahiro Irie</i>	

9 Manipulation of Energy Transfer Processes Within the Channels of L-Zeolite	285
<i>Gion Calzaferri and André Devaux</i>	
10 Controlling Photoreactions Through Noncovalent Interactions Within Zeolite Nanocages	389
<i>V. Ramamurthy and Jayaraman Sivaguru</i>	
11 Photochemical and Photophysical Studies of and in Bulk Polymers	443
<i>Shibu Abraham and Richard G. Weiss</i>	
12 Delocalization and Migration of Excitation Energy and Charge in Supramolecular Systems	517
<i>Mamoru Fujitsuka and Tetsuro Majima</i>	
13 Supramolecular Effects on Mechanisms of Photoisomerization: Hula Twist, Bicycle Pedal, and One-Bond-Flip	547
<i>Robert S.H. Liu, Lan-Ying Yang, Yao-Peng Zhao, Akira Kawanabe, and Hideki Kandori</i>	
14 Protein-Controlled Ultrafast Photoisomerization in Rhodopsin and Bacteriorhodopsin	571
<i>Hideki Kandori</i>	
Index	597