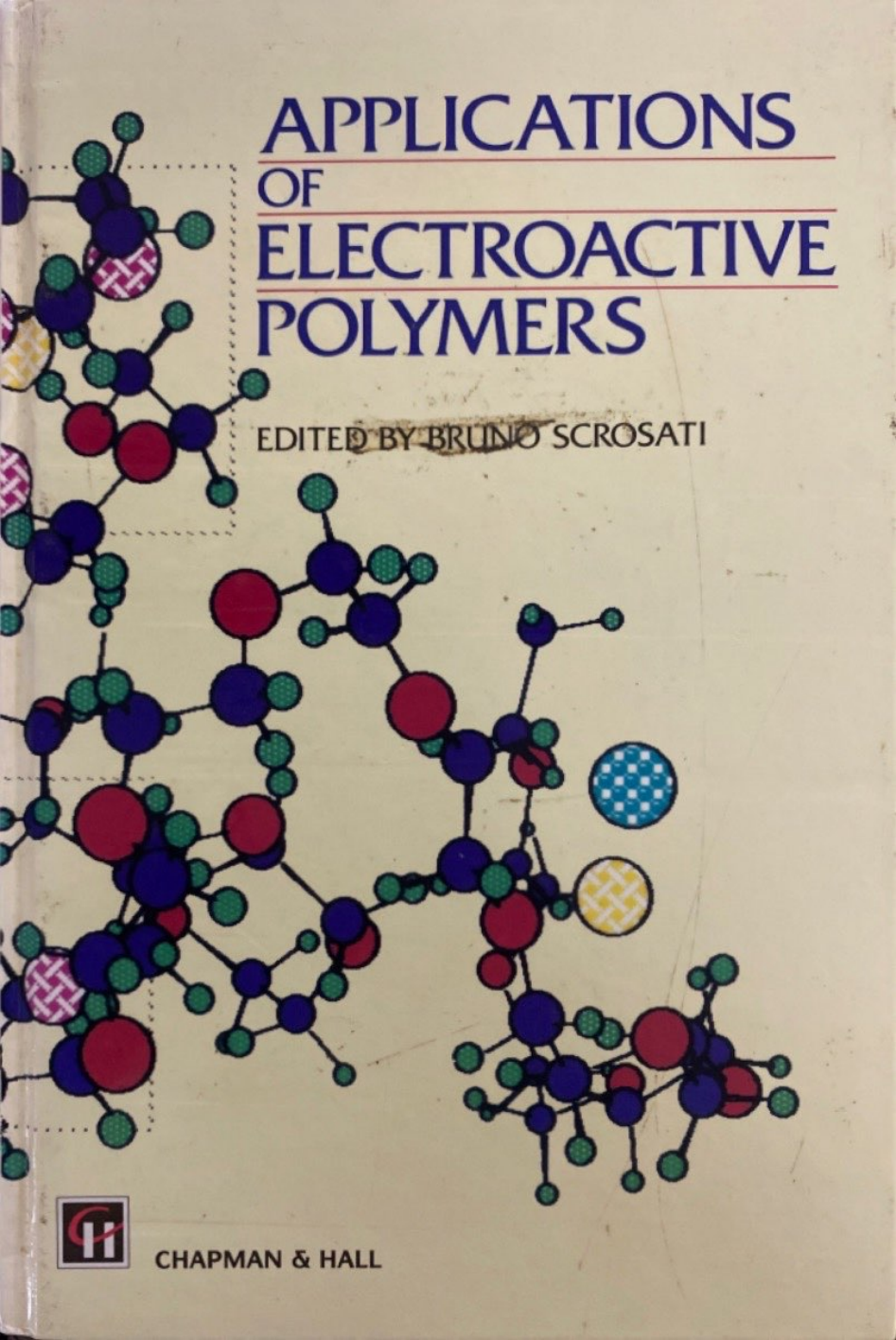




APPLICATIONS OF ELECTROACTIVE POLYMERS

EDITED BY BRUNO SCROSATI



CHAPMAN & HALL

Contents

List of contributors	vii
Preface	xi
1 Electrical and electrochemical properties of ion conducting polymers <i>Roger G. Linford</i>	1
2 Electrical and electrochemical properties of electronically conducting polymers <i>William H. Smyrl and Mary Lien</i>	29
3 Highly conductive polymer electrolytes <i>K.M. Abraham</i>	75
4 Solvation mechanisms in low molecular weight polyethers <i>Michael Mendolia, H. Cai and Gregory C. Farrington</i>	113
5 Lithium batteries with polymer electrodes <i>Nobuhiro Furukawa and Koji Nishio</i>	150
6 Lithium polymer batteries <i>Bruno Scrosati and Robin J. Neat</i>	182
7 Electrochromic devices <i>Marina Mastragostino</i>	223
8 Laminated electrochromic displays and windows <i>Bruno Scrosati</i>	250

Contents

vi

9	Functionalized conducting polymer membranes/films <i>Takeo Shimidzu</i>	283
10	Electroactive polymers in chemical sensors <i>Mira Josowicz and Jiří Janata</i>	310
	Index	345