

# Contents

<b>Simple Trivalent Organoaluminum Species: Perspectives on Structure, Bonding, and Reactivity .....</b>	1
Janusz Lewiński and Andrew E.H. Wheatley	
<b>Organoaluminum Complexes with Bonds to s-Block, p-Block, d-Block, and f-Block Metal Centers .....</b>	59
Stephan Schulz	
<b>Low Valent Organoaluminum (+I, +II) Species .....</b>	91
Rudolf J. Wehmschulte	
<b>Organoaluminum Species in Homogeneous Polymerization Catalysis ...</b>	125
Samuel Dagorne and Christophe Fliedel	
<b>Preparation of Organoalanes for Organic Synthesis .....</b>	173
Paul Knochel, Tobias Blümke, Klaus Groll, and Yi-Hung Chen	
<b>Reactions Triggered by Lewis Acidic Organoaluminum Species .....</b>	187
Yuki Naganawa and Keiji Maruoka	
<b>Hydro-, Carbo-, and Cycloalumination of Unsaturated Compounds ....</b>	215
Usein M. Dzhemilev and Vladimir A. D'yakonov	
<b>Organoaluminum Couplings to Carbonyls, Imines, and Halides .....</b>	245
Andreas Kolb and Paultheo von Zezschwitz	
<b>Conjugate Addition of Organoaluminum Species to Michael Acceptors and Related Processes .....</b>	277
Oscar Pàmies and Montserrat Diégué	
<b>Index .....</b>	307