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Mysterious MAO

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Mysterious MAO

Towards a Better Structural Understanding of Methylalumoxane and the
Development of Well-Defined Alumoxanes

Proefschrift

ter verkrijging van de graad van doctor aan de
Rijksuniversiteit Groningen
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To all them students

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Abbreviations

μmol	micromol
2,4-DBP	2,4,-di- <i>t</i> Bu-phenol
2,6-DBP	2,6,-di- <i>t</i> Bu-phenol
2,6-DPP	2,6,-di-C ₆ H ₅ -phenol
BAM	bora-amidinate ligands
BHT	2,6-di- <i>t</i> Bu-4-Me-phenol
BP	2,2'-biphenol
BPSB	2,2'-dihydroxy-3,3'-di-SiPh ₃ -5,5'-di- <i>t</i> Bu-biphenyl
°C	degree Celsius
Cp	Cyclopentadiene(yl)
DIPH	3,3'-bis(2-methylallyl)-[1,1'-biphenyl]-2,2'-diol
DIPP	2,6-di- <i>i</i> Pr-C ₆ H ₃
DMAO	Me ₃ Al depleted MAO
DOSY	Diffusion-Ordered NMR spectroscopy
EDX	Energy Dispersive X-ray
ESI-MS	Electrospray Ionization mass spectrometry
<i>et. al.</i>	<i>et alii</i> (Latin: and others)
FLP	Frustrated Lewis Pair
MAO	methylalumoxane
MAS	Magic Angle Spinning
Mes	2,4,6-tri-Me-C ₆ H ₂
Mes*	2,4,6-tri- <i>t</i> Bu-C ₆ H ₂
MI	migratory insertion
M _w	molecular weight
nacnac	β -diketiminato ligands
OMTS	octamethyltrisiloxane
PDI	polydispersity index
PE	polyethylene
PP	polypropylene
SANS	small angle neutron scattering
TBP	2,6-di- <i>t</i> Bu-phenol
TBBP	2,2'-dihydroxy-3,3',5,5'-tetra- <i>t</i> Bu-biphenyl
TEM	Transmission Electron Microscopy

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