

CONTENTS

Machine and Automation

Superplastic Behavior and Microstructure of Mg-Gd-Y-Zr Alloy LI Li, ZHANG Bin-ming, DENG Yun-lai, et al(1)

The Resonance Design and Simulation Analysis of Transducer in Ultrasonic Gear Honing LI Bin, DENG Bin, ZHANG Yao(7)

Safety and Chemicals

Analysis of Safety Situation for Attached Vertically Moving Scaffold's High Voltage Protection in Certain Project HUANG Yi-can-nan, JIN Yao(11)

Pollution Status and Control Strategies of Heavy Metal Contamination in Cropland ZHANG Wen-jin, ZHOU Wen-jing(17)

The Sources and Characteristics of Heavy Metals Contamination of Farmland Soil in China ZHANG Wen-jin, HE Hui(21)

Electronic and Information

Design of Meter Collective Reading System of Rural Power Grids Based on PLC JIA Ya-qi(24)

The Hardware Design of Multi-channel Pulse Amplitude Analyzer Based on S3c244 WANG Shen, GONG Xue-yu(29)

Research on the Control of Main Lobe Position in Antenna Beam Direction Based on Genetic Algorithm LI Lin-jun(34)

Design of Cascade Control System of Water Tank Liquid Level Based on