

**TABLE OF CONTENTS****目 录**

**Progresses on the Nano Scale Structure Model of C-S-H and the Shrinkage Mechanism**  
**(C-S-H 纳米尺度结构模型研究与收缩机理研究进展)**

W. G. SHEN, G. J. GAN, C. M. LIAN, W. S. ZHANG, J. Y. YE, H. SHI.....1

**SHS Technology and Application**

(自蔓延高温合成技术及应用)

C. H. LUO, T. HU, Y. MAO, L. HE, G. Y. JU.....12

**Combustion Synthesis and Luminescence Properties of NaLa<sub>1-x</sub>Eu<sub>x</sub>(WO<sub>4</sub>)<sub>2</sub> Phosphors**

(NaLa<sub>1-x</sub>Eu<sub>x</sub>(WO<sub>4</sub>)<sub>2</sub> 的燃烧法制备及发光性能)

X. H. QIAN, D. F. ZHANG, M. X. DU, Y. Y. GAO, X. P. PU, X. L. ZHANG, J. MA.....18

**Preparation of Cu/Ni Toughened B<sub>4</sub>C Matrix Composite Materials**

(Cu/Ni 增韧 B<sub>4</sub>C 基复合材料制备技术)

B. WANG, D. Y. SHEN, X. HUANG, Q. ZHEN, Q. J. YANG.....22

**Electrooxidation of Metal Complexes on ATO/SiO<sub>2</sub> Macroporous Electrodes**

(金属配合物在 ATO/SiO<sub>2</sub> 大孔电极上的电催化氧化)

Z. L. CHAI, Y. ZHANG, R. F. ZHANG, T. H. XIAO.....28

**The Research on Hydrothermal Synthesis of Na<sub>0.5</sub>Bi<sub>0.5</sub>TiO<sub>3</sub> Powder from TiCl<sub>4</sub>**

(源于 TiCl<sub>4</sub> 的 Na<sub>0.5</sub>Bi<sub>0.5</sub>TiO<sub>3</sub> 粉体水热合成研究)

X. LI, J. H. DAI, T. L. LU, Z. B. ZHU, X. HUANG, P. W. WU, H. Y. LI.....36

**Study on the Process of Nd:Y<sub>3</sub>Al<sub>5</sub>O<sub>12</sub> Thin Films by Evaporation Deposition**

(真空蒸镀 Nd:YAG 薄膜的工艺研究)

Q. ZENG, Y. H. ZHOU, H. REN, S. H. LIU.....42

**The Effect of Sr Addition on the Microstructure of Mg-6Zn-2Al-2Ca Magnesium Alloy**

(Sr 对 Mg-6Zn-2Al-2Ca 合金显微组织的影响)

K. Q. QIU, W. G. ZHANG, Y. L. REN, J. H. YOU.....47

**Study on a New Kind of Al Alloy Anode Material for Aluminum-Air Battery**

(一种新型铝空气电池用铝合金阳极材料的研究)

X. X. LI, Z. Q. MA, Z. Y. TENG.....52

**Helical Multi-Shell Structure of Nanowires**

(纳米线的螺旋多壳层结构)

G. L. WEI, C. X. PENG, L. WANG.....58