

TABLE OF CONTENTS

目 录

Dispersion Characteristics in the Surface of Non-Collision Magnetized Plasmas and Dielectric Material

(非碰撞磁化等离子体与介质表面色散特性研究)

C. D. CHEN, L. M. QI, Y. YAO, Z. J. CHEN, J. S. YU.....1

Geometric Phase in a Quantum Computation with Josephson Qubits Using a Current-Biased Information Bus

(利用约瑟夫森量子比特计算电流偏置信息总线中的几何相位)

Y. X. QIAO, Z. X. YU.....7

Solid-State Reaction Synthesis and Zr-Doped Optimization of $\text{Li}_{0.33}\text{La}_{0.57}\text{TiO}_3$ Solid Electrolyte

($\text{Li}_{0.33}\text{La}_{0.57}\text{TiO}_3$ 固体电解质固相合成及其掺杂改性)

Z. W. HU, Y. JIANG, X. H. ZHU.....12

Geometric Phase in a Quantum Coherent Tunable Coupling of Superconducting Qubits

(超导量子位的量子相干可调谐耦合中的几何相位)

Y. X. QIAO, Z. X. YU.....22

The Research Progress of New Diluted Magnetic Semiconductors

(新型稀磁半导体研究的最新进展)

L. ZHAN, H. Z. CHEN, L. X. LI, S. FENG, S. L. WANG.....27

Topological Flat Band and Quantum Hall Effect in the Triangular Lattice

(三角晶格中的拓扑平带和量子霍尔效应)

L. GONG, H. WEI, X. R. TAO.....43