

Literature Review

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Topological insulators surface states with ferroics

1 Topological Insulators

1.1 Introduction

1.2 Material Growths

2 Magnetic Materials

2.1 Classifications

2.1.1 Ferromagnetic

2.1.2 Anti-ferromagnetic

2.1.3 Paramagnetic

2.1.4 Diamagnetic

2.2 Ferromagnetic Insulators

3 TI & FI Heterostructures

3.1 Theory

3.2 Experiments

3.2.1 MBE Growths

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5 Bibliography