# 北京大学量子材料科学中心

## International Center for Quantum Materials, PKU

#### Berry curvature dipole in Weyl semimetal materials

### Binghai Yan

Maurice and Gabriela Goldschleger Center For Nanophysics

#### **Abstract**

In the band structure of a Weyl semimetal (WSM), the conduction and valence bands cross each linearly through Weyl points that are usually treated as of the Berry curvature. As a second-order response, WSMs were avery recently demonstrated to show strong nonlinear opticam1.2 817.8 reW\*nBT/F612