

Simin Nie

Senior Physical Science Research Scientist

Mechanical Engineering

Bio

ACADEMIC APPOINTMENTS

- Sr Res Scientist-Physical, Mechanical Engineering

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Institute Of Physics, Chinese academy of Sciences , Theoretical Physics (2016)

Publications

PUBLICATIONS

- **Magnetic Weyl Semimetal in $K_2Mn_3(AsO_4)_3$ with the Minimum Number of Weyl Points.** *Physical review letters*
Nie, S., Hashimoto, T., Prinz, F. B.
2022; 128 (17): 176401
- **Magnetic Semimetals and Quantized Anomalous Hall Effect in EuB_6 .** *Physical review letters*
Nie, S. n., Sun, Y. n., Prinz, F. B., Wang, Z. n., Weng, H. n., Fang, Z. n., Dai, X. n.
2020; 124 (7): 076403
- **Topological nodal-line semimetals in ferromagnetic rare-earth-metal monohalides** *PHYSICAL REVIEW B*
Nie, S., Weng, H., Prinz, F. B.
2019; 99 (3)
- **Dirac semimetal in type-IV magnetic space groups** *PHYSICAL REVIEW B*
Hua, G., Nie, S., Song, Z., Yu, R., Xu, G., Yao, K.
2018; 98 (20)
- **Topological phases in the TaSe₃ compound** *PHYSICAL REVIEW B*
Nie, S., Xing, L., Jin, R., Xie, W., Wang, Z., Prinz, F. B.
2018; 98 (12)
- **Topological semimetal in honeycomb lattice LnSI** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Nie, S., Xu, G., Prinz, F. B., Zhang, S.
2017; 114: 10596