

Ведущая организация. Список публикаций.

1. Native point defects and their implications for the Dirac point gap at MnBi<sub>2</sub>Te<sub>4</sub>(0001)

Authors: Garnica, M.; Otrokov, M. M.; Casado Aguilar, P.; ... Miranda, R.; see more

Published: Jan 2022 in Npj Quantum Materials

DOI: 10.1038/S41535-021-00414-6

2. Non-monotonic variation of the Kramers point band gap with increasing magnetic doping in BiTeI

Authors: Shikin, A. M.; Rybkina, A. A.; Estyunin, D. A.; ... Zvezdin, A. K.; see more

Published: Dec 2021 in Scientific Reports

DOI: 10.1038/S41598-021-02493-8

3. Sample-dependent Dirac-point gap in MnBi<sub>2</sub>Te<sub>4</sub> and its response to applied surface charge: A combined photoemission and ab initio study

Authors: Shikin, A. M.; Estyunin, D. A.; Zaitsev, N. L.; ... Zvezdin, A. K.; see more

Published: Sep 2021 in Physical Review B

DOI: 10.1103/PHYSREVB.104.115168

4. Effect of Rashba splitting on ultrafast carrier dynamics in BiTeI

Authors: Ketterl, Anna S.; Andres, Beatrice; Polverigiani, Marco; ... Weinelt, Martin; see more

Published: Feb 2021 in Physical Review B

DOI: 10.1103/PHYSREVB.103.085406

5. Nature of the Dirac gap modulation and surface magnetic interaction in axion antiferromagnetic topological insulator MnBi<sub>2</sub>Te<sub>4</sub>

Authors: Shikin, A. M.; Estyunin, D. A.; Klimovskikh, I. I.; ... Chulkov, E., V; see more

Published: Aug 2020 in Scientific Reports

DOI: 10.1038/S41598-020-70089-9

6. Tunable 3D/2D magnetism in the  $(\text{MnBi}_2\text{Te}_4)(\text{Bi}_2\text{Te}_3)_m$  topological insulators family

Authors: Klimovskikh, Ilya I.; Otrokov, Mikhail M.; Estyunin, Dmitry; ... Chulkov, Eugene V.; see more

Published: Aug 2020 in Npj Quantum Materials

DOI: 10.1038/S41535-020-00255-9

7. Prediction and observation of an antiferromagnetic topological insulator

Authors: Otrokov, M. M.; Klimovskikh, I. I.; Bentmann, H.; ... Chulkov, E. V.; see more

Published: Dec 2019 in Nature

DOI: 10.1038/S41586-019-1840-9