



Sasagawa Lab.



Seeking for Electronic Super-functions in Solids

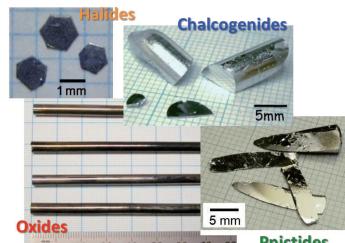
- from Topological Insulators to Exotic Superconductors -

Laboratory for Materials and Structures

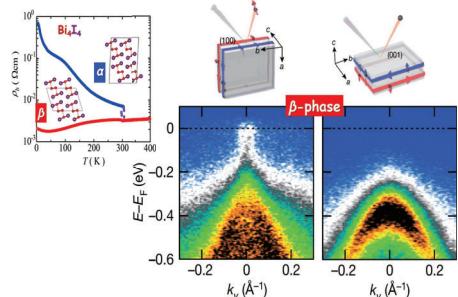
<http://www.msl.titech.ac.jp/~sasagawa/>



- Computational Materials Explorations
- Growth of High-quality Crystals
- Physical Property Measurements under Extreme Conditions
- Direct Observation of Electronic States

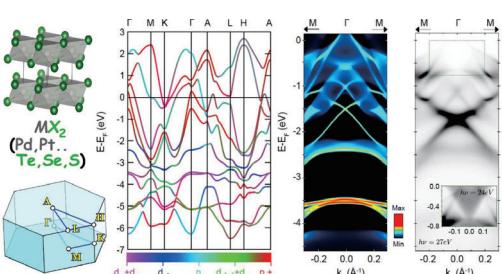


Topological Insulator



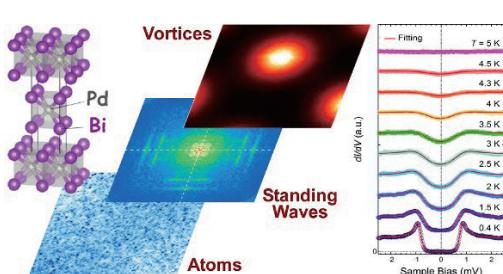
Nature 566, 518 (2019).

Topological Semimetal



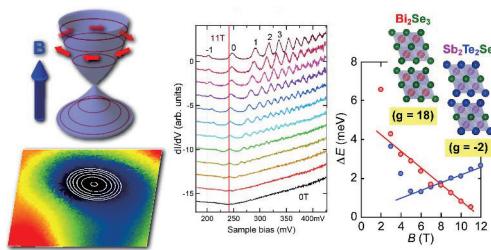
Nature Materials 17, 21 (2018).

Topological Superconductor



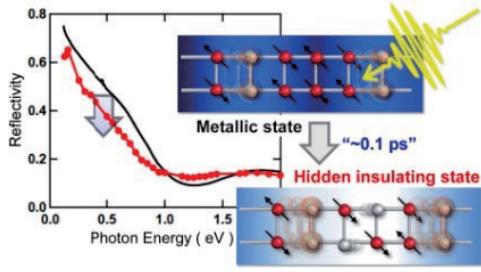
Nature Commun. 8, 976 (2017).

Topological Insulator



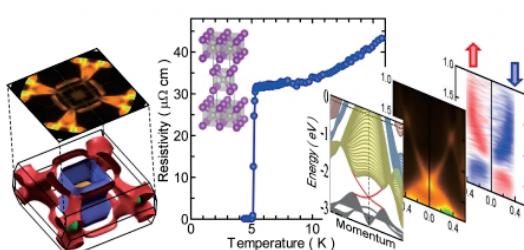
Nature Commun. 7, 10829 (2016).

Strongly Correlated Electron Systems



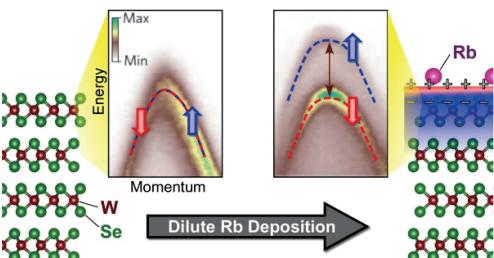
Nature Commun. 6, 8519 (2015).

Topological Superconductor



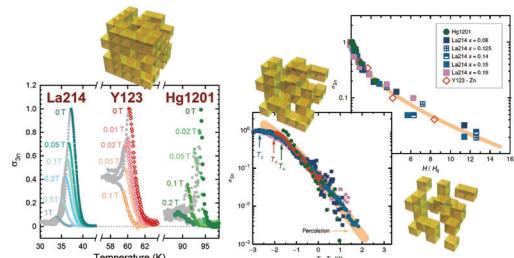
Nature Commun. 6, 8595 (2015).

Surface States / Nano-electronics



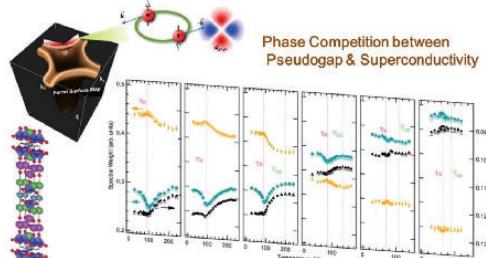
Nature Nanotech. 10, 1043 (2015).

High-Tc Superconductor



Nature Commun. 9, 4327 (2018).

High-Tc Superconductor



Nature Materials 14, 37 (2015).