

Peculiar Spin-Polarized Bands Originating from the Symmetry of the Surface

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一、研究領域簡介



Kazuyuki Sakamoto is an Associate Professor at the Department of Nanomaterials Science, Chiba University, Japan. He also held a visiting professorship at Hiroshima University and serve as a committee member of the Surface Science Society of Japan. In the past years, his research is focused on the spin-polarized surface electronic states originating from spin-orbit coupling and on the electronic structure of organic molecule thin films. Recent highlights include the observation of the peculiar Rashba effect caused by the symmetry of the surface, the finding of a novel method to combine the valley degree of freedom to the spin degree of freedom, and the development of the formation of high-quality one-dimensional molecular chain as well as the observation of its physical properties.

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