

- | | | |
|----|-------------------------|--|
| 1. | Record Nr. | UNISOBE600200035622 |
| | Autore | Kamien, Morton I. |
| | Titolo | Market structure and innovation / Morton I. Kamien ; Nancy L. Schwartz |
| | Pubbl/distr/stampa | London, : Cambridge University, 1982 |
| | ISBN | 0521293855 |
| | Descrizione fisica | XI, 243 p. ; 21 cm |
| | Collana | Cambridge Surveys of Economic Literature |
| | Lingua di pubblicazione | Inglese |
| | Formato | Materiale a stampa |
| | Livello bibliografico | Monografia |
| 2. | Record Nr. | UNINA9910300410703321 |
| | Autore | Takayama Akari |
| | Titolo | High-Resolution Spin-Resolved Photoemission Spectrometer and the Rashba Effect in Bismuth Thin Films / / by Akari Takayama |
| | Pubbl/distr/stampa | Tokyo : , : Springer Japan : , : Imprint : Springer, , 2015 |
| | ISBN | 4-431-55028-3 |
| | Edizione | [1st ed. 2015.] |
| | Descrizione fisica | 1 online resource (92 p.) |
| | Collana | Springer Theses, Recognizing Outstanding Ph.D. Research, , 2190-5053 |
| | Disciplina | 530
530.417
530.8
537.622 |
| | Soggetti | Surfaces (Physics)
Interfaces (Physical sciences)
Thin films
Spectrum analysis
Microscopy
Materials—Surfaces
Physical measurements
Measurement
Semiconductors
Surface and Interface Science, Thin Films
Spectroscopy and Microscopy
Surfaces and Interfaces, Thin Films |

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- Basic Principle of Photoemission Spectroscopy and Spin Detector -- Development of High Resolution Spin-Resolved Photoemission Spectrometer -- Anomalous Rashba Effect of a Bi Thin Film on Si(111) -- Rashba Effect at Interface of a Bi Thin Film on Si(111) -- Conclusion.
Sommario/riassunto	In this thesis, the author has developed a high-resolution spin-resolved photoemission spectrometer that achieves the world-best energy resolution of 8 meV. The author has designed a new, highly efficient mini Mott detector that has a large electron acceptance angle and an atomically flat gold target to enhance the efficiency of detecting scattered electrons. The author measured the electron and spin structure of Bi thin film grown on a Si(111) surface to study the Rashba effect. Unlike the conventional Rashba splitting, an asymmetric in-plane spin polarization and a tremendous out-of-plane spin component were observed. Moreover, the author found that the spin polarization of Rashba surface states is reduced by decreasing the film thickness, which indicates the considerable interaction of Rashba spin-split states between the surface and Bi/Si interface.