

1. Record Nr.	UNINA9910346713803321
Autore	Berg Oliver
Titolo	Elektrischer Transport durch Nanokontakte von Selten-Erd-Metallen
Pubbl/distr/stampa	KIT Scientific Publishing, 2014
ISBN	1000040632
Descrizione fisica	1 online resource (IV, 90 p. p.)
Collana	Experimental Condensed Matter Physics / Karlsruher Institut für Technologie, Physikalisches Institut
Soggetti	Physics
Lingua di pubblicazione	Tedesco
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	In this book the electronic transport through rare-earth nanocontacts is investigated. These nanocontacts can be fabricated by the mechanically controlled break-junctions. The conductance through such a nanocontact is strongly influenced by the element's electronic structure. This is probably caused by the variable strength of localization of the 4f states.