1. Record Nr. UNINA9910300374803321

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Titolo	Studying Complex Surface Dynamical Systems Using Helium-3 Spin-Echo Spectroscopy / / by Barbara A. J. Lechner
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2014
ISBN	3-319-01180-4
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (183 p.)
Collana	Springer Theses, Recognizing Outstanding Ph.D. Research, , 2190-5053
Disciplina	530.417
Soggetti	Surfaces (Physics) Interfaces (Physical sciences) Thin films Chemistry, Physical and theoretical Atoms Physics Physical measurements Measurement Materials—Surfaces Surface and Interface Science, Thin Films Physical Chemistry Atomic, Molecular, Optical and Plasma Physics Measurement Science and Instrumentation Surfaces and Interfaces, Thin Films
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Doctoral Thesis accepted by the University of Cambridge, Cambridge, UK."
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Motivation -- The helium-3 spin-echo experiment -- A new helium atom scattering apparatus -- An improved high intensity supersonic helium beam source -- The dynamics of cyclopentadienyl on Cu(111) -- Quantum influences in the diffusive motion of pyrrole on Cu(111) -- The diffusive motion of thiophene on Cu(111) -- Conclusions.
Sommario/riassunto	Chemical reactions and growth processes on surfaces depend on the

	diffusion and re-orientation of the adsorbate molecules. A fundamental understanding of the forces guiding surface motion is thus of utmost importance for the advancement of many fields of science and technology. To date, our understanding of the principles underlying surface dynamics remains extremely limited, due to the difficulties involved in measuring these processes experimentally. The helium-3 spin-echo (HeSE) technique is uniquely capable of probing such surface dynamical phenomena. The present thesis extends the field of application of HeSE from atomic and small molecular systems to more complex systems. Improvements to the supersonic helium beam source, a key component of the spectrometer, as well as a detailed investigation of a range of five-membered aromatic adsorbate species are presented. The thesis provides a comprehensive description of many aspects of the HeSE method - instrumentation, measurement and data analysis - and as such offers a valuable introduction for newcomers to the field.

2.	Record Nr.	UNINA9910958175403321
	Titolo	Benchmarking public procurement 2016 : assessing public procurement systems in 77 economies / / The World Bank Group
	Pubbl/distr/stampa	Washington, D.C. : , : World Bank, , 2016
	ISBN	1-4648-0727-2
	Edizione	[1st ed.]
	Descrizione fisica	1 online resource (pages cm)
	Disciplina	352.5/3
	Soggetti	Government purchasing Public administration Public contracts
	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	Foreword -- Acknowledgments -- Abbreviations -- About benchmarking public procurement 2016 -- The procurement life cycle -- Complaint and reporting mechanisms -- Notes -- References -- Economy datasheets -- Contributors.

Sommario/riassunto	Improve public procurement and drive economic growth with this comprehensive benchmarking report.Public procurement accounts for a significant portion of global GDP, making it a critical lever for improving public sector performance and driving economic development.