

1. Record Nr.	UNISA996475872203316
Autore	Mogi Masataka
Titolo	Quantized phenomena of transport and magneto-optics in magnetic topological insulator heterostructures // Masataka Mogi
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore Pte Ltd., , [2022] ©2022
ISBN	9789811921377 9789811921360
Descrizione fisica	1 online resource (xv, 109 pages) : illustrations (some color)
Collana	Springer theses
Disciplina	530.41
Soggetti	Magnetooptics Topological insulators
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Doctoral Thesis accepted by The University of Tokyo, Tokyo, Japan."
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction Experimental Methods Magnetic Modulation Doping For Quantum Anomalous Hall Effect Magnetic Proximity Induced Quantum Anomalous Hall Effect Topological Phase Transitions Relevant to Quantum Anomalous Hall Effect Half-integer Quantized Electrodynamics in 3D Topological Insulator Summary
Sommario/riassunto	This book presents experimental studies on emergent transport and magneto-optical properties in three-dimensional topological insulators with two-dimensional Dirac fermions on their surfaces. Designing magnetic heterostructures utilizing a cutting-edge growth technique (molecular beam epitaxy) stabilizes and manifests new quantization phenomena, as confirmed by low-temperature electrical transport and time-domain terahertz magneto-optical measurements. Starting with a review of the theoretical background and recent experimental advances in topological insulators in terms of a novel magneto-electric coupling, the author subsequently explores their magnetic quantum properties and reveals topological phase transitions between quantum anomalous Hall insulator and trivial insulator phases; a new topological phase (the axion insulator); and a half-integer quantum Hall state associated with the quantum parity anomaly. Furthermore, the author shows how these quantum phases can be significantly stabilized via magnetic

modulation doping and proximity coupling with a normal ferromagnetic insulator. These findings provide a basis for future technologies such as ultra-low energy consumption electronic devices and fault-tolerant topological quantum computers.

2. Record Nr.	UNINA9910955110103321
Titolo	Intersections of multiple identities : a casebook of evidence-based practices with diverse populations // [edited by] Miguel E. Gallardo & Brian W. McNeill
Pubbl/distr/stampa	New York, : Brunner-Routledge, 2009
ISBN	1-135-59466-X 9786612109041 1-282-10904-9 0-203-89333-6 1-135-59467-8
Edizione	[1st ed.]
Descrizione fisica	xxx, 363 p
Collana	Counseling and psychotherapy : investigating practice from scientific, historical, and cultural perspectives
Altri autori (Persone)	GallardoMiguel E McNeillBrian <1955->
Disciplina	616.89
Soggetti	Psychiatry, Transcultural Evidence-based psychotherapy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	1. In search of a biethnic identity : clinical and ethical issues in the treatment of a Latino/African American adolescent boy / Joseph M. Cervantes -- 2. Struggling with research and practice with a Mexican American family : the case of Robert / Olga L. Mejia -- 3. Conversations in marriage : an African-centered marital intervention / Daryl M. Rowe and Sandra Lyons Rowe -- 4. Intersecting multiple identities : the case of Lehua / Laurie 'Lali' McCubbin -- 5. Psychotherapy within an American Indian perspective / Jeff King -- 6. Spirituality and psychotherapy : a gay Latino client / Fernando Ortiz -- 7. Incorporating

affirming, feminist, and relational perspectives : the case of Juan / Marie L. Miville, LeLaina Romero, and Melissa J. Corpus -- 8. The conflict of navigating cultural expectations : the case of Sam / Matt Englar-Carlson and Sophia Rath -- 9. Psychotherapy with a 17-year-old Iranian American female : therapeutic guidelines / Maryam Sayyedi -- 10. Clinical competency and culturally diverse clients with disabilities : the case of Linda / Jennifer Gibson.

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#### Sommario/riassunto

Over the past two decades, there has been an increase in the need to prepare and train mental health personnel in working with diverse populations. In order to fully understand individuals from different cultures and ethnic backgrounds, practitioners need to begin to examine, conceptualize, and treat individuals according to the multiple ways in which they identify themselves. The purpose of this casebook is to bridge the gap between the current practice of counseling with the newest theories and research on working with diverse clientele. Each chapter is written by leading experts in the field of multicultural counseling and includes a case presentation with a detailed analysis of each session, a discussion of their theoretical orientation and how they have modified it to provide more culturally appropriate treatment, and an explanation of how their own dimensions of diversity and worldviews enhance or potentially impede treatment. This text is a significant contribution to the evolving area of multicultural counseling and will be a valuable resource to mental health practitioners working with diverse populations.

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