

1. Record Nr.	UNINA9910646198603321
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Titolo	Biomedical Micro- and Nanorobots in Disease Treatment : Design, Preparation, and Applications
Pubbl/distr/stampa	Newark : , : John Wiley & Sons, Incorporated, , 2023 ©2023
ISBN	9783527839759 9783527351022
Descrizione fisica	1 online resource (253 pages)
Altri autori (Persone)	WanMimi
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Cover -- Title Page -- Copyright -- Contents -- Preface -- Chapter 1 Introduction -- 1.1 Origin of Biomedical Micro and Nanorobots -- 1.2 A Long Journey -- 1.3 Moment of Glory -- 1.4 Three Laws -- 1.5 Main Contents of this Book -- References -- Chapter 2 Definition and Classification -- 2.1 Definition -- 2.2 Classification -- References -- Chapter 3 Design and Preparation -- 3.1 Substrate Selection -- 3.1.1 Metal Materials -- 3.1.2 Inorganic Materials -- 3.1.3 Organic Materials -- 3.1.4 Natural Materials -- 3.1.5 Hybrid Materials -- 3.2 Driving System -- 3.2.1 Driving System Based on Biological Components -- 3.2.2 Driving System Based on External Fields -- 3.2.3 Driving System Based on Chemical Reactions -- References -- Chapter 4 Characterization -- 4.1 Characterization of Motion -- 4.1.1 In Aqueous Environment -- 4.1.2 In Complex Environments In Vitro -- 4.2 In Vivo Tracking Technologies -- 4.2.1 Fluorescence Imaging Technology -- 4.2.2 MRI Technology -- 4.2.3 Radionuclide Imaging Technology -- 4.2.4 Ultrasonic Imaging Technology -- 4.2.5 Other Imaging Methods -- References -- Chapter 5 Biosafety -- 5.1 Biosafety of Micro and Nanorobot Substrate -- 5.1.1 Material Composition -- 5.1.2 Micro and Nanoscale Influence -- 5.1.3 Interaction with Physiological Environment In Vivo -- 5.1.4 Ultimate Destiny -- 5.1.5 Genotoxicity -- 5.1.6 Research Method of Biosafety -- 5.2 Biosafety of Driving System of Micro and Nanorobots -- 5.2.1 Biological Micro and Nanorobots --

5.2.2 Physical FieldDriven Micro and Nanorobots -- 5.2.3 Chemical ReactionDriven Micro and Nanorobots -- 5.3 Biosafety of Autonomous Motion Behavior of Micro and Nanorobots -- 5.4 Biosafety Evaluation Methods for Micro and Nanorobots -- References -- Chapter 6 Autonomous Motion Behavior -- 6.1 Autonomous Motion Mechanism. 6.1.1 Motion Mechanism of Biological Micro and Nanorobots -- 6.1.1.1 Bacteria -- 6.1.1.2 Sperm -- 6.1.1.3 Immune Cells -- 6.1.2 Motion Mechanism of Physical FieldDriven Micro and Nanorobots -- 6.1.2.1 Magnetic FieldDriving Mode -- 6.1.2.2 Photic Driving Mode -- 6.1.2.3 Ultrasonic FieldDriving Mode -- 6.1.3 Motion Mechanism of Chemical ReactionDriven Micro and Nanorobots -- 6.1.3.1 SelfElectrophoresis Mode -- 6.1.3.2 SelfDiffusiophoresis Mode -- 6.1.3.3 Bubble Mode -- 6.2 Trend Behavior Mechanism -- 6.2.1 Magnetotactic System -- 6.2.2 Phototactic System -- 6.2.3 Chemotaxis System -- 6.3 Motion Control -- 6.3.1 Speed Control Mode -- 6.3.2 Direction Control Mode -- 6.3.3 Control of Start and Stop -- References -- Chapter 7 Functions -- 7.1 Moving in Complex Physiological Environment -- 7.2 Loading Power Source, Drug, or Imaging Agent -- 7.3 Targeting Specific Cells or Physiological Tissues -- 7.4 Promoting Cell Uptake and Improving Tissue Permeability -- 7.5 Imaging Capability -- 7.6 Information Interaction and Intelligent Decision -- 7.7 Diagnosis and Treatment of Disease -- References -- Chapter 8 For Cardiovascular Disease Treatment -- 8.1 Thrombus -- 8.2 Atherosclerosis -- 8.3 Cerebral Apoplexy -- References -- Chapter 9 For Cancer Treatment -- 9.1 Cancer Diagnosis -- 9.2 Targeting and Delivery -- 9.3 Treatment of Different Cancer Species -- 9.4 Treatment Mechanism -- 9.4.1 Chemotherapy -- 9.4.2 Metabolic Therapy -- 9.4.3 Gas Therapy -- 9.4.4 Optical Therapy -- 9.4.5 Biotherapy -- 9.4.6 Immunotherapy -- 9.4.7 Multimodal Combined Therapy -- 9.5 Theranostics -- References -- Chapter 10 For Other Diseases' Treatment -- 10.1 Ophthalmic Diseases -- 10.2 Orthopedic Diseases -- 10.3 Gastrointestinal Diseases -- 10.4 Neurological Diseases -- 10.5 Bacterial Infection -- 10.6 Blood Heavy Metal Poisoning -- References. Chapter 11 Future Development Trend -- 11.1 Biosafety of Micro and Nanorobots -- 11.2 New Materials and Technologies of Micro and Nanorobots -- 11.3 Intelligent Micro and Nanorobots -- 11.4 New Treatment Mode -- 11.5 New Detection Technology for Micro and Nanorobots -- 11.6 Outlook and Future Challenges -- References -- Postscript -- Glossary -- Index -- EULA.

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2. Record Nr.	UNINA9910785567803321
Autore	Rosenthal Naomi Braun <1940->
Titolo	Spinster tales and womanly possibilities [[electronic resource] /] / Naomi Braun Rosenthal
Pubbl/distr/stampa	Albany, : State University of New York Press, c2002
ISBN	0-7914-8943-4
Descrizione fisica	1 online resource (198 p.)
Disciplina	813.009/920652
Soggetti	American fiction - History and criticism Women and literature - United States - History Feminist fiction, American - History and criticism Single women in literature Women in motion pictures Single women
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 (p. 171-176) and index. "Filmography" : p. 177.
Nota di contenuto	""SPINSTER TALES AND WOMANLY POSSIBILITIES""; ""Contents""; ""Preface""; ""1. The Persistent Spinster""; ""2. a€œBossed by a Woman a€?""; ""3. An E/Man/Cipated Woman""; ""4. a€œShe Has Deliberately Shut the Door of Opportunitya€?""; ""5. A Debatable Figure""; ""6. a€œA Lady Scholar?a€?""; ""7. Sex And the Single Girl""; ""8. Hollywood Stars""; ""9. An Ideal Woman""; ""Notes""; ""Bibliography""; ""Filmography""; ""Index""; ""A""; ""B""; ""C""; ""D""; ""E""; ""F""; ""G""; ""H""; ""I""; ""J""; ""K""; ""L""; ""M""; ""N""; ""O""; ""P""; ""R""; ""S""; ""T""; ""U""; ""V""; ""W""; ""Z""

3. Record Nr.	UNINA9910955488003321
Titolo	Against the wall : poor, young, Black, and male / / edited by Elijah Anderson
Pubbl/distr/stampa	Philadelphia, : University of Pennsylvania Press, c2008
ISBN	9781283896573 1283896575 9780812206951 0812206959
Edizione	[1st ed.]
Descrizione fisica	1 online resource (314 p.)
Collana	The city in the 21st century
Altri autori (Persone)	AndersonElijah
Disciplina	305.38896073
Soggetti	African American men - Psychology African American men - Social conditions Inner cities - United States Urban poor - United States
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 (p. [269]-278) and index.
Nota di contenuto	Front matter -- Contents -- Foreword: Strong Men Keep A - Comin On / West, Cornel -- Part I. Facing the Situation of Young Black Men in Inner Cities -- Chapter 1. Against the Wall: Poor, Young, Black, and Male / Anderson, Elijah -- Chapter 2. David's Story: From Promise to Despair / Gunn, Raymond -- Chapter 3. Young, Black, and Male: The Life History of an American Drug Dealer Facing Death Row / Duck, Waverly -- Part II. Structural Analyses of Joblessness Among Black Youth -- Chapter 4. The Economic Plight of Inner - City Black Males / Wilson, William Julius -- Chapter 5. Blacklisted: Hiring Discrimination in an Era of Mass Incarceration / Pager, Devah -- Chapter 6. The Effects of Immigration on the Economic Position of Young Black Males / Jaynes, Gerald D. -- Chapter 7. Immigration and Equal Opportunity / Massey, Douglas S. -- Part III. Engaging Urban Youth in Social Institutions -- Chapter 8. Youth Entrepreneurship Training in the Inner City: Overcoming Disadvantage, Engaging Youth in School / Anderson, Luke -- Chapter 9. Black Male Students and Reflections on Learning and Teaching / Dance, L. Janelle -- Chapter 10. Fighting like a Ballplayer:

Basketball as a Strategy Against Social Disorganization / Brooks, Scott N. -- Chapter 11. "Tell us how it feels to be a problem": Hip Hop Longings and Poor Young Black Men / Perry, Imani -- Part IV. Social Policy Matters -- Chapter 12. Social Issues Lurking in the Over-Representation of Young African American Men in the Expanding DNA Databases / Duster, Troy -- Chapter 13. "You can take me outta the 'hood, but you can't take the 'hood outta me": Youth Incarceration and Reentry / Fader, Jamie J. -- Chapter 14. Suicide Patterns Among Black Males / Joe, Sean -- Chapter 15. Why Are Handguns So Accessible on Urban Streets? / Kairys, David -- Chapter 16. What Do We Do Now? Toward a Brighter Future for African American Men / Edelman, Peter -- Notes -- Contributors -- Index -- Acknowledgments

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## Sommario/riassunto

Selected by Choice magazine as an Outstanding Academic Title  
Typically residing in areas of concentrated urban poverty, too many young black men are trapped in a horrific cycle that includes active discrimination, unemployment, violence, crime, prison, and early death. This toxic mixture has given rise to wider stereotypes that limit the social capital of all young black males. Edited and with an introductory chapter by sociologist Elijah Anderson, the essays in *Against the Wall* describe how the young black man has come to be identified publicly with crime and violence. In reaction to his sense of rejection, he may place an exaggerated emphasis on the integrity of his self-expression in clothing and demeanor by adopting the fashions of the "street." To those deeply invested in and associated with the dominant culture, his attitude is perceived as profoundly oppositional. His presence in public gathering places becomes disturbing to others, and the stereotype of the dangerous young black male is perpetuated and strengthened. To understand the origin of the problem and the prospects of the black inner-city male, it is essential to distinguish his experience from that of his pre-Civil Rights Movement forebears. In the 1950's, as militant black people increasingly emerged to challenge the system, the figure of the black male became more ambiguous and fearsome. And while this activism did have the positive effect of creating opportunities for the black middle class who fled from the ghettos, those who remained faced an increasingly desperate climate. Featuring a foreword by Cornel West and sixteen original essays by contributors including William Julius Wilson, Gerald D. Jaynes, Douglas S. Massey, and Peter Edelman, *Against the Wall* illustrates how social distance increases as alienation and marginalization within the black male underclass persist, thereby deepening the country's racial divide.

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