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| 1. Record Nr. | UNINA9910483778903321 |
| Autore | Silbermann Christian B |
| Titolo | Introduction to geometrically nonlinear continuum dislocation theory : fe implementation and application on subgrain formation in cubic single crystals under large strains // Christian B. Silbermann, Matthias Baitsch, Jo Ihlemann |
| Pubbl/distr/stampa | Cham, Switzerland : , : Springer, , [2021] ©2021 |
| ISBN | 3-030-63696-8 |
| Edizione | [1st ed. 2021.] |
| Descrizione fisica | 1 online resource (XIII, 94 p. 61 illus., 18 illus. in color.) |
| Collana | SpringerBriefs in Continuum Mechanics, , 2625-1329 |
| Disciplina | 548.842 |
| Soggetti | Crystals - Plastic properties Continuum mechanics |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Includes index. |
| Nota di contenuto | Introduction -- Nonlinear kinematics of a continuously dislocated crystal -- Crystal kinetics and -thermodynamics -- Special cases included in the theory -- Geometrical linearization of the theory -- Variational formulation of the theory -- Numerical solution with the finite element method -- FE simulation results -- Possibilities of experimental validation -- Conclusions and Discussion -- Elements of Tensor Calculus and Tensor Analysis -- Solutions and algorithms for nonlinear plasticity. |
| Sommario/riassunto | This book provides an introduction to geometrically non-linear single crystal plasticity with continuously distributed dislocations. A symbolic tensor notation is used to focus on the physics. The book also shows the implementation of the theory into the finite element method. Moreover, a simple simulation example demonstrates the capability of the theory to describe the emergence of planar lattice defects (subgrain boundaries) and introduces characteristics of pattern forming systems. Numerical challenges involved in the localization phenomena are discussed in detail. |

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| 2. Record Nr. | UNINA9910767517903321 |
| Titolo | International Public Health Policy and Ethics // edited by Michael Boylan |
| Pubbl/distr/stampa | Cham, Switzerland : , : Springer, , [2023] ©2023 |
| ISBN | 3-031-39973-0 |
| Edizione | [Second edition.] |
| Descrizione fisica | 1 online resource (376 pages) |
| Collana | The International Library of Bioethics Series ; ; Volume 106 |
| Disciplina | 780 |
| Soggetti | Medical ethics |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Intro -- Preface: What's New to the Second Edition -- Contents -- Contributors -- Introduction: International Public Health: Morality, Politics, Poverty, War, Disease -- Morality and Politics -- Money and Poverty -- Medical Need and Response -- Sarkar Replies to Stuart Newman -- Sarkar Replies to Baxter -- Conclusion to Part IV -- Overall Conclusion -- Notes -- Morality and Politics -- The Extended Shared Community Worldview Imperative: Becoming a Citizen of the World -- Introduction -- The Individual Prudential Perspective -- The Individual Moral Perspective -- The Community Perspective -- The Extended Community Worldview -- Becoming a Citizen of the World -- Notes -- References -- Personal or Public Health? -- Introduction -- Benefiting Individuals and Benefiting Populations -- Rule of Rescue -- Identifiable, Non-identifiable, and Statistical Victims -- Discounting the Future -- Conclusion -- References -- Exploring the Philosophical Foundations of the Human Rights Approach to International Public Health Ethics -- Introduction -- The Human Rights Approach to Public Health Ethics -- Human Rights: Moral and Legal -- Interest-Based and Agency Accounts of Human Rights -- Human Rights and Duties -- Conclusion -- Notes -- References -- Moral Interests, Privacy, and Medical Research -- Introduction -- The PGC and Its Derivation -- Research, Privacy, and Consent -- The Concept of Privacy in the ECHR -- The Relationship Between Privacy and Medical Research Values: A Framework -- The Hypothetical Studies Considered -- The Infectious Disease Study -- |

The Contraceptive Study -- Cancer Study -- Concluding Remarks --
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to Terror and into "The Dark Side" -- Part Three: Parameters
of language-The Subjects.

Part Four: The Parameters of Language -- Part Five: The Boundaries
of Torture -- Indefinite Detentions -- Brutality -- The Use of Hoods --
Force-Feeding -- Conclusion -- References -- Exporting the "Culture
of Life" -- Introduction -- The Culture of Life -- What Is the Religious
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-- International Health Inequalities and Global Justice -- Introduction
-- When Are International Inequalities in Health Unjust? -- Harms
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-- International Property Rights and Access to Drugs -- Where Do
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of the Cosmopolitan Intuition -- Resisting Strongly Statist Versions
of Relational Justice -- Illustrations of Obligations of Justice
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as a Global Public Good -- Objections -- Conclusions -- References --
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-- Private Markets and Social Insurance -- Poverty and Public Health --
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and Public Health.

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Possible Issues for a Universal Owner -- Being a Political Actor Rather
Than an Investor? -- Do Portfolio Arguments Work in Company
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and Response -- Toward Control of Infectious Disease: Ethical
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2030? A Comprehensive Global Effort for the Control of Infectious
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-- Is a Comprehensive Global Effort Realistic? On Eradication,
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Epidemiologic and Health Care Infrastructure -- Track 3: Scientific
Development -- Track 4: Religious, Social, and Cultural Considerations
-- Track 5: Legal and Social Protections for Individuals and Groups --
A Comprehensive Global Effort: From Thought Experiment to Plan --
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Introduction -- The Threat of an Influenza Pandemic in the Twenty-
First Century -- Laying the Foundation for an Ethical Preparedness Plan
for an Influenza Pandemic -- Health Care Personnel
and the Duty/Obligation/Responsibility to Work During an Influenza
Pandemic -- Other Critical Workers and Duty/Obligation/Responsibility
to Work During an Influenza Pandemic -- Social Distancing, Isolation,

and Quarantine -- Allocation of Scarce Health Care Resources -- Conclusion -- References -- TB Matters More -- Bioethics and Infectious Disease -- Neglected Disease.

Mapping the Terrain of Ethical Issues Associated with TB: A Research Agenda -- Duty to Treat -- Clinical Research -- Treatment Exclusion -- Obligation to Avoid Infecting Others -- Third-Party Notification -- Domestic Surveillance -- Migrant Screening -- Social Distancing -- Mandatory Treatment and Ethical Issues Associated with DOTS -- A "Moderate Pluralist" Ethical Approach to TB Control -- References -- Ethics of Management of Gender Atypical Organisation in Children and Adolescents -- Introduction -- Brief History of AGIO -- Intra-psychic, Physical and Social Dimensions of AGIO -- Intra-psychic Dimension -- Physical Dimension -- Social Dimension -- Therapies: Three Stages -- Wholly Reversible Interventions -- Suspension of Puberty: Benefits -- Suspension of Puberty: Risks -- Partially Reversible Interventions -- Risks of Cross-Sex Hormones -- Irreversible Interventions -- Ethical Issues: Playing God -- Competence and AGIO -- Minors and Competence -- Can Informed Consent Be Given at All? -- Acts and Omissions -- The Involvement of the Family: Ethico-Legal Grounds -- Ageism -- Conclusions -- References -- Clean Water -- Water and Human Rights -- The Table of Embeddedness -- Basic Goods -- Secondary Goods -- Water and Public Health -- A Description of the Action Arena -- Nature -- Humankind -- Social/Political Entities -- Key Obstacles to Progress -- Humankind Versus Nature -- Social/Political Conflicts -- A Few Modest Proposals -- Conceptual -- Concrete -- Conclusion -- References -- Contemporary Challenges (New to Third Edition) -- What, If Anything, Should Count as Elder Abuse? -- The Concept of Elder Abuse in Personal Relationships -- The Concept of Self-Neglect -- Institutional Policies and Bioethical Proposals -- Public Policies in Allocating Lifesaving Medical Treatment -- Conclusion -- Notes -- References.

Contemporary Public Health in Africa Through a Philosophical and Bioethical Lens -- The Challenge and Promise of Pan-Africanism -- Health Infrastructure -- Endemic Public Health Crises -- Stigmas and Fears -- Conclusion -- Works Cited -- The Ethics and Politics of Healthcare Resource Allocation During Covid -- Expanding Supply -- Triage -- First-Come, First Served -- References -- CRISPR and Cut-and-Paste Genetics: A Summary -- Introduction -- Significance of CRISPR -- Inevitable Eugenics -- Designer Baby Delusions -- Elimination of Genetic Diseases -- Final Remarks -- References: -- Specificity as a Guide for the Safe Use of Human Germline Gene Editing-A Response to Sarkar's Cut and Paste Genetics -- References -- Good Reasons to Avoid Germline Intervention: A Response to Sahotra Sarkar -- Introduction -- Contraindications of Germline Gene Modification -- Conclusion -- References -- Cut-and-Paste Genetics: A Response to Newman and Baxter -- Context -- Response to Newman -- Moral and Philosophical Objections -- Practical Objections -- Response to Baxter -- Final Remarks -- References -- Index.
