

1. Record Nr.	UNINA9910557306203321
Titolo	Advances in Coatings Deposition and Characterization // Alessandro Lavacchi, Massimo Innocenti, Steve Bull, editors
Pubbl/distr/stampa	Basel, Switzerland : , : MDPI - Multidisciplinary Digital Publishing Institute, , 2020
Descrizione fisica	1 electronic resource (196 p.)
Disciplina	667.9
Soggetti	Ceramic coating Thin film devices
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	About the Selected Editors -- Preface to "Advances in Coatings Deposition and Characterization" -- Development of YSZ Thermal Barrier Coatings Using Axial Suspension Plasma Spraying -- Sputtering Physical Vapour Deposition (PVD) Coatings: A Critical Review on Process Improvement and Market Trend Demands -- Combination of Electrodeposition and Transfer Processes for Flexible Thin-Film Thermoelectric Generators -- Defect-Free Large-Area (25 cm ²) Light Absorbing Perovskite Thin Films Made by Spray Coating -- Antireflection Coatings for Strongly Curved Glass Lenses by Atomic Layer Deposition -- Continuous Tip Widening Technique for Roll-to-Roll Fabrication of Dry Adhesives -- Preparation and Characterization of Bioplastics from Grass Pea Flour Cast in the Presence of Microbial Transglutaminase -- A Guide to and Review of the Use of Multiwavelength Raman Spectroscopy for Characterizing Defective Aromatic Carbon Solids: from Graphene to Amorphous Carbons -- Corrosion Resistance and Durability of Superhydrophobic Copper Surface in Corrosive NaCl Aqueous Solution -- On the Durability and Wear Resistance of Transparent Superhydrophobic Coatings.
Sommario/riassunto	Coatings offer the unique opportunity to create architectures that combine the functionality of two or more materials, conferring unique properties to objects with an extremely large palette of solutions. For this flexibility, thick and thin films have terrific impacts on the most

relevant societal challenges. Computers, food packaging, airplanes, and cars, to mention a few familiar objects from everyday life, rely heavily on coatings. To celebrate the key role that coatings have in society, and in science and technology, this book collects a selection of relevant reviews and original research articles published in "Coatings" in 2017 and 2018. Papers have been selected based on their broad impact and balancing between the two major aspects of coatings science and technology: deposition and characterization.

2. Record Nr.	UNINA9910634078203321
Autore	Leuprecht Christian
Titolo	Polar Cousins : Comparing Antarctic and Arctic Geostrategic Futures
Pubbl/distr/stampa	Calgary : , : University of Calgary Press, , 2022 ©2022
ISBN	1-77385-391-0 1-77385-390-2
Edizione	[1st ed.]
Descrizione fisica	1 online resource (282 pages)
Collana	Beyond Boundaries: Canadian Defence and Strategic Studies
Classificazione	cci1icc
Altri autori (Persone)	CauseyDouglas
Disciplina	320.12
Soggetti	Climatic changes Geopolitics Arctic regions Strategic aspects Antarctica Strategic aspects Arctique Aspect strategique Antarctique Aspect strategique Antarctica Arctic Regions
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Front Cover -- Half Title Page -- Series Page -- Full Title Page -- Copyright Page -- Dedication -- Contents -- Acknowledgements -- Introduction -- PART I -- Prologue: Arctic Polar Security -- 1 Polar Environmental Security: Challenges,Threats, and Realities -- 2 The

Evolving Geopolitics of Polar Regions -- 3 | Polar Disaster Diplomacy: Geostrategies for Norway -- 4 | The Case for a Five Eyes Critical Minerals Alliance Focusing on Greenland -- PART II -- Prologue: A Southern Perspective -- 5 | Challenges and Opportunities for Southern Ocean and Antarctic Governance -- 6 | Australia's East Antarctic Geostrategic Futures: Nirvana or Doom Inbound? -- 7 | Antarctic Environmental Security: Status and Challenges -- 8 | New Zealand's Foreign and Security Policy in Antarctica: Small States, Shelter Seeking, and the Changing Polar Landscape -- PART III -- Polar Coda -- Contributors -- Index -- Back Cover.

Sommario/riassunto

"A timely exploration of rapidly evolving geopolitical, social, and environmental challenges for national and international security strategy across the Arctic and Antarctic polar regions. Geopolitics and climate change now have immediate consequences for national and international security interests across the Arctic and Antarctic. The world's polar regions are contested and strategically central to geopolitical rivalry. At the same time, rapid political, social, and environmental change presents unprecedented challenges for governance, environmental protection, and maritime operations in the regions. With chapters that raise awareness, address challenges, and inform policy options, *Polar Cousins* reviews the state of strategic thinking and options on Antarctica and the Southern Oceans in light of experience in the circumpolar North. Prioritizing strategic issues, it provides an essential discussion of geostrategic thinking, strategic policy, and strategy development. Featuring contributions from international defence experts, scientists, academics, policymakers, and decisionmakers, *Polar Cousins* offers key insights into the challenges unique to the polar regions."--
