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Altri autori (Persone)	SelinHenrik <1971-> VanDeveerStacy D
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Nota di contenuto	Contents; Series Foreword; Acknowledgments; Introduction; 1 Changing Climates and Institution Building across the Continent; I Between Kyoto and Washington; 2 Climate Change Politics in Mexico; 3 Looking for Leadership: Canada and Climate Change Policy; II States and Cities Out Front; 4 Second-Generation Climate Policies in the States: Proliferation, Diffusion, and Regionalization; 5 Field Notes on the Political Economy of California Climate Policy; 6 Climate Leadership in Northeast North America; 7 Local Government Response to Climate Change: Our Last, Best Hope?; III Continental Politics 8 NAFTA as a Forum for CO ₂ Permit Trading?9 Renewable Electricity Politics across Borders; 10 Arctic Climate Change: North American Actors in Circumpolar Knowledge Production and Policymaking; IV Climate Action among Firms, Campuses, and Individuals; 11 Business Strategies and Climate Change; 12 Insurance and Reinsurance in a

Changing Climate; 13 Campus Climate Action; 14 Communicating Climate Change and Motivating Civic Action: Renewing, Activating, and Building Democracies; Conclusion; 15 North American Climate Governance: Policymaking and Institutions in the Multilevel Greenhouse
About the ContributorsIndex

Sommario/riassunto

Changing Climates in North American Politics offers analysis of climate change policy innovations across North America at transnational, federal, state & local levels, involving public private & civic actors.

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Titolo

Polymer and Photonic Materials Towards Biomedical Breakthroughs // edited by Jasper Van Hoorick, Heidi Ottevaere, Hugo Thienpont, Peter Dubruel, Sandra Van Vlierberghe

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Collana

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Soggetti

Optical materials
Electronics - Materials
Biomedical engineering
Lasers
Photonics
Regenerative medicine
Tissue engineering
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Optics, Lasers, Photonics, Optical Devices
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Nota di contenuto

Part I. Material Development & Processing -- Chapter 1. Development and characterization of photoresponsive polymers -- Chapter 2. Polymer processing through multiphoton absorption -- Chapter 3. Two-photon polymerization in tissue engineering -- Part II. Applications -- Chapter 4. Photoactivatable materials for cell biomechanics and mechanobiology -- Chapter 5. Photonics in drug delivery -- Chapter 6. Gene therapy approaches towards biomedical breakthroughs.

Sommario/riassunto

This book offers a complete overview of photonic-enhanced materials from material development to a final photonic biomedical application. It includes fundamental, applied, and industrial photonics. The authors cover synthesis, the modification and the processing of a variety of (bio)polymers including thermoplasts (e.g. polyesters) and hydrogels (e.g. proteins and polysaccharides) for a plethora of applications in the field of optics and regenerative medicine. .