

1. Record Nr.	UNINA9910878994503321
Autore	Xiao Jianxi
Titolo	Collagen Mimetic Peptides and Their Biophysical Characterization // by Jianxi Xiao
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2024
ISBN	9789811019418 9789811019401
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (237 pages)
Collana	Springer Series in Biomaterials Science and Engineering, , 2195-0652 ; ; 20
Disciplina	572.67
Soggetti	Spectrum analysis Biophysics Biomaterials Regenerative medicine Bioorganic chemistry Materials - Analysis Spectroscopy Regenerative Medicine and Tissue Engineering Bioorganic Chemistry Characterization and Analytical Technique
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction to collagen -- Structure of collagen triple helix -- Bioinformatics-aided Design of collagen mimic peptides -- Synthesis of collagen peptides -- CD characterization of triple helix stability -- Structural insights from X-ray crystallography -- Conformational and dynamic characterization by NMR spectroscopy -- Fluorescence detection of collagen biomarkers -- Synthesis and characterization of heterotrimeric models of collagen -- Self-assembly of collagen mimic peptides -- Concluding remarks.
Sommario/riassunto	This book embarks on an enlightening journey through the molecular landscape of collagen mimic peptides, shedding light on their significance and potential. In the intricate realm of biomolecules,

collagen's preeminence as the most abundant protein in the human body, forming the foundational scaffolding of tissues and organs, renders it a subject of profound scientific interest. It explores diverse facets related to collagen mimic peptides, spanning aspects such as bioinformatic analysis, synthetic strategies, pathological collagen targeting, and the construction of homotrimeric, heterotrimeric and self-assembled peptide models. Furthermore, it provides an exhaustive investigation into biophysical techniques, encompassing Circular Dichroism (CD), X-ray crystallography, Nuclear Magnetic Resonance (NMR), Fluorescence, and Raman spectroscopy, thereby empowering researchers to unravel the structural intricacies of these peptides. The book unravels the profound implications of collagen mimic peptides across a spectrum of scientific domains, including protein science, biomaterials, bioanalysis, and beyond. Its accessibility and insights cater not only to seasoned researchers but also to undergraduate and graduate students eager to delve into the complexities of this fundamental protein.

2. Record Nr.	UNINA9910850889803321
Autore	Reimold Nadja
Titolo	Continuity in Times of Change : Acquired Rights and State Succession
Pubbl/distr/stampa	Baden-Baden, : Nomos, 2024 ©2024
ISBN	9783748943396
Edizione	[1st ed.]
Descrizione fisica	1 online resource (632 pages)
Collana	Beiträge Zum Ausländischen öffentlichen Recht und Völkerrecht ; Band 328
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Cover -- Chapter I: The Notion of Acquired Rights -- A) The Diffuse State of the Law on the Issue of Acquired Rights -- B) The Reasons for This Confusion -- C) What We Talk About When We Talk About Acquired Rights -- I) The Genesis of the Doctrine of Acquired Rights --

II) The Reception by the PCIJ -- 1) The German Settlers Case (1923) -- 2) The Mavrommatis Concessions Cases (1924-1925) -- 3) Cases Concerning Certain German Interests in Polish Upper Silesia (1925-1929) -- 4) The Lighthouses Case (1934) -- 5) Interim Conclusions -- III) The Academic Reception -- 1) Daniel Patrick O'Connell -- a) Legal Basis -- b) Possibility to Abrogate -- c) Nature of the Right -- d) The Public-Private Divide -- e) Holders of Acquired Rights -- 2) Pierre A. Lalive -- a) Legal Basis -- b) Possibility to Abrogate -- c) Nature of the Right -- d) The Public-Private Divide -- e) Conclusions -- 3) Mohammed Bedjaoui -- 4) Interim Conclusions -- IV) A "Classic" Definition of Acquired Rights -- 1) Pecuniary Rights -- 2) Domestic Rights -- a) The Public-Private Divide -- b) Property Rights -- c) Real Rights and Contractual Rights -- 3) Bearers of Acquired Right -- 4) In Cases of State Succession -- D) The Task Ahead -- Chapter II: State Succession -- A) The Need for a Definition -- B) Basic Requirements of State Succession -- I) State Succession as a Set of Factual Events, not a Legal Effect -- II) Replacement of One State by Another State - Continuity and Succession -- III) Change of Responsibility for the International Relations -- IV) Lawfulness of Succession -- C) Categories of State Succession -- I) Dismemberment (or Dissolution) and Separation -- II) Incorporation and Merger (Uniting) -- III) Cessions -- IV) Decolonization -- V) Pacific Occupation -- D) Conclusions -- Chapter III: The Continued Relevance of the Doctrine of Acquired Rights -- A) Preliminary Remarks.

B) The Elevated Status of the Individual under International Law and Its Influence on the Doctrine of Acquired Rights -- I) Where We Come from - the Status of the Individual from around 1900-1970 -- 1) General Observations -- 2) The Relevance of Acquired Rights -- II) Where We Are - the Status of the Individual Today -- 1) Individuals as Subjects of International Law -- 2) The Enforcement of Individual Positions as Community Interests under International Law -- C) The Continuing Relevance of the Doctrine of Acquired Rights besides Human Rights and Investment Law -- I) Preliminary Remarks -- II) Human Rights and Acquired Rights -- 1) The Controversial Status of the Human Right of Property -- a) A Human Right of Property under International Instruments -- aa) Universal Instruments -- bb) Regional Instruments -- cc) Interim Conclusion -- b) A Human Right of Property and Investment Law -- c) A Human Right of Property and Domestic Instruments -- d) Interim Conclusions -- 2) (Non-)Succession to Human Rights Treaties -- a) Reliance on Rules Outside the Specific Treaty -- b) The Argument of "Objective Regime" -- c) Practice of Human Rights Organs -- d) State Practice -- e) The (Im-)Possibility of Termination of a Human Rights Treaty -- aa) Preliminary Remarks -- bb) Termination Pursuant to Art. 54 and 56 VCLT -- cc) Termination by Consensus -- dd) Third-Party Rights -- ee) Interim Conclusions -- f) The (Im-) Persistence of Treaty Rights after Withdrawal, Art. 70 para. 1 lit. b) VCLT -- aa) General Remarks -- bb) Executed and Executory Rights -- cc) Judicial Claims as Executed Rights -- dd) Interim Conclusions -- g) Interim Conclusions -- 3) The Argument of Self-Determination -- 4) The Implementation Gap -- a) International Treaties -- b) Customary Law -- c) Political Resistance to Human Rights -- d) Interim Conclusions.

III) Investor Rights and Acquired Rights -- 1) The Limited Scope of Protection of Investor Rights Outside Investment Treaties -- a) Customary Investment Law as Inter-State Law Protecting Commercial Interests of Foreigners -- b) The Vagueness of Protection of Individual Property Rights -- aa) State Practice -- bb) Investment Treaties -- c) Interim Conclusion -- 2) (Non-)Succession to Investment Treaties -- a)

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 -- gg) South Sudan -- hh) The ICSID Convention -- b) Interim
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 VII) The Transfer of Walvis Bay (1994) -- 1) General Background -- 2)
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