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Autore	Bratton Susan
Titolo	The spirit of the Appalachian Trail [[electronic resource]] : community, environment, and belief on a long-distance hiking path / / Susan Power Bratton
Pubbl/distr/stampa	Knoxville, Tenn., : University of Tennessee Press, c2012
ISBN	1-283-52373-6 9786613836182 1-57233-881-4
Edizione	[1st ed.]
Descrizione fisica	1 online resource (305 p.)
Disciplina	917.404
Soggetti	Hiking - Appalachian Trail Hiking - Appalachian Trail - Religious aspects Spiritual life
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 and index.
Nota di contenuto	Contents; Preface: Hill Walking, Heart and Soul; Acknowledgments; Chapter 1. The Appalachian Trail as Spiritual Experience; Chapter 2. The Trail as Physical and Social Environment; Chapter 3. Today's Hikers: Gender, Age, and Religious Affiliation; Chapter 4. Angels and Volunteers: The Heart of the Trail; Chapter 5. Religious Organizations and Support for Hikers; Chapter 6. Hiker Ethics: Interactions with the Support Network and Volunteers; Chapter 7. Environmental Values and Learning on the Trail; Chapter 8. Building Friendships, Discovering Self, Enjoying Terrains Chapter 9. Spirit in Nature: Religious Meaning and the Transcendent Conclusion : Gains in Four Spiritual Domains; Appendix I. Tables of Ethical Values; Appendix II. Tables of Personal Values; Appendix III. Tables of Spiritual and Personal Values; Appendix IV. Written Comments by Religious Background; Notes; References; Index
Sommario/riassunto	"Want to know what wilderness means to people who live it for over two thousand miles? Then read this extremely interesting, informative, intelligent, and thoughtful book." -Roger S. Gottlieb, author of Engaging Voices: Tales of Morality and Meaning in an Age of Global

	Warming"There is no doubt that Bratton's book will be of value to students and scholars of leisure studies, recreation, and religion. Those who are familiar with the Appalachian Trail sense intuitively that a journey along its length kindles spiritual awakening; this book provides the hard data to

2.	Record Nr.	UNINA9911019103103321
	Titolo	Catalytic antibodies / / edited by Ehud Keinan
	Pubbl/distr/stampa	Weinheim, : Wiley-VCH [Chichester, : John Wiley], 2005
	ISBN	1-280-52020-5 9786610520206 3-527-60366-2 3-527-60505-3
	Descrizione fisica	1 online resource (618 p.)
	Altri autori (Persone)	KeinanEhud
	Disciplina	571.967 616.0798
	Soggetti	Monoclonal antibodies Antibody-enzyme conjugates
	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 and index.
	Nota di contenuto	Catalytic Antibodies; Foreword; Table of Contents; Preface; List of Contributors; 1 Immunological Evolution of Catalysis; 1.1 Introduction; 1.2 Parallels between Antibody and Enzyme Evolution; 1.3 Evolution of Catalytic Antibodies; 1.4 Ferrochelatase Antibody 7G12 - Evolution of the Strain Mechanism; 1.5 Esterase Antibody 48G7 - Effect of Distant Mutations on Catalysis; 1.6 Sulfur Oxidase Antibody 28B4 - Incremental Changes in Evolution; 1.7 Oxy-Cope Antibody AZ28 - Evolution of Conformational Diversity in Catalysis 1.8 Diels-Alderase Antibody 39A11 - Evolution of a Polyspecific Antibody combining Site1.9 Conclusions; References; 2 Critical Analysis of Antibody Catalysis; 2.1 Introduction; 2.2 Exploiting Antibodies as

Catalysts; 2.3 Catalytic Efficiency; 2.4 Hapten Design; 2.5 Representative Catalytic Antibodies; 2.5.1 Proximity Effects; 2.5.1.1 Sigmatropic Rearrangements; 2.5.1.2 Cycloadditions; 2.5.2 Strain; 2.5.2.1 Ferrochelatase Mimics; 2.5.2.2 Other Systems; 2.5.3 Electrostatic Catalysis; 2.5.3.1 Acyl Transfer Reactions; 2.5.4 Functional Groups; 2.5.4.1 Aldolases; 2.6 Perspectives
2.6.1 General Lessons from Comparisons of Enzymes and Antibodies2.6.2 How efficient does catalysis need to be?; 2.6.3 Strategies for Optimizing Efficiency; 2.6.3.1 Better Haptens; 2.6.3.2 Screening; 2.6.3.3 Engineering; 2.6.3.4 Selection; 2.6.3.5 Other Scaffolds; 2.7 Conclusions; References; 3 Theoretical Studies of Antibody Catalysis; 3.1 Introduction; 3.2 Questions Subject to Theoretical Elucidation; 3.2.1 Predicting Antibody Structure from Sequence; 3.2.2 Predicting Binding Modes and Binding Energies; 3.2.3 Understanding Antibody Catalysis [14]; 3.2.4 General Considerations
3.3 Hydrolytic Antibodies3.3.1 Gas and Solution Phase Hydrolysis of Aryl Esters; 3.3.2 Hapten Fidelity; 3.3.3 Theoretical Exploration of Antibody Catalysis; 3.3.3.1 16G3; 3.3.3.2 6D9; 3.3.3.3 43C9; 3.3.3.4 CNJ206; 3.3.3.5 48G7; 3.3.3.6 17E8 and 29G11; 3.4 Cationic Cyclizations; 3.4.1 Antibody Catalysis of Solvolysis; 3.4.2 Antibody-Catalyzed Hydroxyepoxide Cyclization; 3.5 Antibody-Catalyzed Diels-Alder and retro-Diels-Alder Reactions; 3.5.1 The Most Efficient endo-Diels-Alderase 1E9; 3.5.2 endo-Diels-Alderase 39A11 and its Germline Precursor; 3.5.3 exo-Diels-Alderase 13G5
3.5.4 retro-Diels-Alderase 10F113.6 Other Antibody-Catalyzed Pericyclic Reactions; 3.6.1 Oxy-Cope Rearrangement Catalyzed by Antibody AZ-28; 3.6.2 1,3-Dipolar Cycloaddition Catalyzed by Antibody 29G12; 3.6.3 Chorismate-Prephenate Claisen Rearrangement Catalyzed by Antibody 1F7; 3.7 Antibody-Catalyzed Carboxybenzisoxazole Decarboxylation; 3.8 Summary; References; 4 The Enterprise of Catalytic Antibodies: A Historical Perspective; 4.1 Introduction; 4.2 Methods; 4.3 Results; 4.3.1 The Conceptual Origins of Catalytic Antibodies; 4.3.2 Tapping the Immune System for Catalysts; 4.4 Conclusions
References

Sommario/riassunto

Exploiting the inherent combinatorial mechanism in the biosynthesis of antibodies, an almost limitless variety of biocatalysts may be generated. Catalytic antibodies are capable of performing almost any type of reaction with high selectivity and stereospecificity.Here, the pioneers in the use of catalytic antibodies review the entire scope of this interdisciplinary field, covering such topics as:* theoretical aspects of structure, mechanism and kinetics* practical considerations, from immunization techniques to screening methods* in vitro evolution and other modern approaches<b