1. Record Nr. UNINA9910797105303321

Autore	Albrecht Steve <1963->
Titolo	Library security : better communication, safer facilities / / Steve Albrecht
Pubbl/distr/stampa	Chicago, [Illinois] : , : ALA Editions, , 2015 ©2015
ISBN	0-8389-1354-7
Descrizione fisica	1 online resource (185 p.)
Disciplina	025.8/2
Soggetti	Libraries - Security measures Library buildings - Safety measures
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Library Security: Better Communication, Safer Facilities; Contents; Preface; Acknowledgments; Chapter 1. The New Library Workplace: Not So Quiet; Chapter 2. Three Keys to a Safer Library: Security-Aware Staff, Creative Customer Service Skills, and Enforced Codes of Conduct; Chapter 3. Challenging Patron Behaviors; Chapter 4. Common Types of Challenging Patrons; Chapter 5. Understanding Threats and Getting Help; Chapter 6. Workplace Violence: Awareness, Prevention, and Response; Chapter 7. Conducting Your Own Site Security Survey Chapter 8. Community Partnerships: Law Enforcement, Mental Health, and Homeless ServicesChapter 9. Staff Development for a Safer Library: Results, Not Just Rules; Appendix A. Library Security Survey Checklist; Appendix B. Sample Library Security Suggestions for Site Survey Reports; Appendix C. Sample Staff Training Exercises; Appendix D. Want Less Stress? Try More BREADS; Appendix E. Resources; Index
Sommario/riassunto	Through the methods outlined in this book, Albrecht demonstrates that effective communication not only makes library users feel more comfortable but also increases staff morale, ensuring the library is place where everyone feels welcome.

2. Record Nr. UNINA9910830408703321

Autore	Cao Linqiu
Titolo	Carrier-bound immobilized enzymes [[electronic resource]] : principles, applications and design / / Linqiu Cao
Pubbl/distr/stampa	Weinheim, : Wiley-VCH, c2005
ISBN	1-280-85416-2 9786610854165 3-527-60766-8 1-61583-208-4 3-527-60708-0
Descrizione fisica	1 online resource (581 p.)
Disciplina	572.7
Soggetti	Immobilized enzymes
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	Carrier-bound Immobilized Enzymes; Foreword; Contents; 1 Introduction: Immobilized Enzymes: Past, Present and Prospects; 1.1 Introduction; 1.2 The Past; 1.2.1 The Early Days (1916-1940s); 1.2.2 The Underdeveloped Phase (1950s); 1.2.3 The Developing Phase (1960s); 1.2.4 The Developed Phase (1970s); 1.2.5 The Post-developed Phase (1980s); 1.2.6 Rational Design of Immobilized Enzymes (1990s-date); 1.3 Immobilized Enzymes: Implications from the Past; 1.3.1 Methods of Immobilization; 1.3.2 Diversity versus Versatility; 1.3.3 Complimentary versus Alternative 1.3.4 Modification versus Immobilization1.3.4.1 Enhanced Stability; 1.3.4.2 Enhanced Activity; 1.3.4.3 Improved Selectivity; 1.4 Prospective and Future Development; 1.4.1 The Room for Further Development; 1.4.2 An Integration Approach; 1.5 References; 2 Adsorption-based Immobilization; 2.1 Introduction; 2.2 Classification of Adsorption; 2.3 Principles Involved in Absorptive Enzyme Immobilization; 2.3.1 Monolayer Principle; 2.3.2 Stabilization Principle; 2.3.3 Enzyme Distribution; 2.4 Requirement of the Carriers; 2.4.1 Physical Requirements; 2.4.1.1 Pore-size and Available Surface 2.4.1.2 Internal Structure2.4.1.3 Density of Binding Functionality;

2.4.1.4 Particle Size; 2.4.2 Chemical Nature of the Carriers; 2.4.2.1 Nature of Binding Functionality; 2.4.2.2 The Role of the Spacer; 2.4.2.3 The Nature of the Backbone; 2.5 Factors Which Dictate Enzyme Catalytic Performance; 2.5.1 Activity; 2.5.1.1 Diffusion-controlled Activity; 2.5.1.2 Conformation-controlled Activity; 2.5.1.3 Substrate-controlled Activity; 2.5.1.4 Loading-controlled Activity; 2.5.1.5 Medium-dependent Activity; 2.5.1.6 Microenvironment-dependent Activity; 2.5.1.7 Carrier Nature-dependent Activity
2.5.1.8 Enzyme Nature-dependent Activity2.5.1.9 Additive-dependent Activity; 2.5.1.10 Hydrophilicity-dependent Activity; 2.5.1.11 Orientation-determined Activity; 2.5.1.12 Binding Nature-controlled Enzyme Activity; 2.5.1.13 Binding Density-controlled Enzyme Activity; 2.5.1.14 Reactor-dependent Activity; 2.5.1.15 Pore-size-dependent Activity; 2.5.1.16 Water-activity-dependent Activity; 2.5.2 Stability; 2.5.2.1 Conformation-controlled Stability; 2.5.2.2 Confinement-controlled Stability; 2.5.2.3 Enzyme Loading-dependent Stability; 2.5.2.4 Diffusion-controlled Stability
2.5.2.5 Cross-linking-dependent Stability2.5.2.6 Carrier Nature-controlled Stability; 2.5.2.7 Aquaphilicity-controlled Stability; 2.5.2.8 Medium-controlled Stability; 2.5.2.9 Temperature-dependent Stability; 2.5.2.10 Microenvironment-controlled Stability; 2.5.2.11 Binding Nature-controlled Enzyme Stability; 2.5.2.12 Binding Density-controlled Enzyme Stability; 2.5.2.13 Additive-dependent Stability; 2.5.2.14 Enzyme Orientation-dependent Stability; 2.5.2.15 Enzyme-dependent Stability; 2.5.3 Selectivity; 2.5.3.1 Conformation-controlled Selectivity; 2.5.3.2 Diffusion-controlled Selectivity
2.5.3.3 Binding Functionality-controlled Selectivity

Sommario/riassunto

The first systematic overview of this key technique since the early 1990s, this authoritative reference is the only handbook available to include all recent developments. The author draws on his wide-ranging experience in both academia and industry to systematically cover all types of enzyme immobilization methods, such as adsorption-based and covalent immobilization, as well as enzyme entrapment and encapsulation. Throughout, a careful review of materials and techniques for the generation of functional immobilized enzymes benefits both developers and users of carrier-bound enzymes.A must