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| 1. Record Nr. | UNINA990005773380403321 |
| Autore | Pausanias <periegeta ; <2. saec. |
| Titolo | Descrizione della Grecia di Pausania nuovamente dal testo greco tradotta da A. Nibby membro ordinario dell'Accademia romana di archeologia. Volume 1. [-4.] |
| Pubbl/distr/stampa | Roma : presso Vincenzo Poggioli stampatore della R.C. A., 1817-1818 |
| Descrizione fisica | 4 v. ; 24 cm |
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| 2. Record Nr. | UNINA9910795876403321 |
| Autore | Cusolito Ana Paula |
| Titolo | The upside of digital for the Middle East and North Africa : how digital technology adoption can accelerate growth and create jobs |
| Pubbl/distr/stampa | , : World Bank Publications, , 2021 ©2021 |
| ISBN | 1-4648-1664-6 |
| Edizione | [1st ed.] |
| Descrizione fisica | 1 online resource (99 pages) |
| Altri autori (Persone) | GévaudanClément LedermanDaniel WoodChristina |
| Disciplina | 338.0640956 |
| Soggetti | Economic history Middle East Technological innovations--Economic aspects Africa, North Economic conditions Africa, North Economic integration |
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| Nota di contenuto | Front Cover -- Contents -- Acknowledgments -- About the Authors -- Executive Summary -- Abbreviations -- 1 Introduction -- References -- 2 The Digital Paradox in the Middle East and North Africa and the Upside of Digital Technologies -- Notes -- References -- 3 Framework for Understanding the Upside of the Digital Economy -- References -- 4 How Digital Technologies Help to Overcome Market Frictions -- Overcoming Frictions due to Information Asymmetries on Ride-Hailing Platforms -- Overcoming Transport Frictions: IT Sector and Mobility Barriers in West Bank -- Tourism Demand: Overcoming Frictions Associated with Geography and Language Barriers -- Notes -- References -- 5 The Upside of Digital: Empirical Framework and Results -- Lower-Bound Estimates of the Upside of the Digital Economy -- Gains in GDP per Capita -- Gains in Revenue Productivity and Employment in Manufacturing -- Gains in Tourism and Hospitality Industry Jobs -- Reductions in Unemployment and Increases in Female Labor Force Participation -- Summary of the Upside Impact of Digital |

Technologies -- Notes -- References -- 6 Three Foundational Pillars of the Digital Economy -- Digital Infrastructure -- Digital Payments -- Regulations for E-commerce -- Notes -- References -- 7 Addressing Challenges and Mitigating Risks -- Liberalization and Competition as Drivers of Mobile Digital Data Technology Adoption -- Competition in the Digital Services Market -- Risk Associated with Digital Social Media -- Data Governance -- Data Privacy in Managing the COVID-19 Pandemic -- Notes -- References -- 8 Summary and Conclusions -- Appendix A: Modeling the Relationship between Digital Payments, Bank Regulation, and Banking System Development -- Appendix B: Benchmark Regressions: Graphs and Statistics -- Appendix C: Description of New Mobile Data Technology Adoption Rankings -- Boxes.

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Figure C.1 Mobile Technology Adoption Rankings in the Middle East and North Africa and in Sub-Saharan Africa, 1981-2019 -- Figure C.2 ICT Regulatory Authority Independence Index in the Middle East and North Africa and in Sub-Saharan Africa and by Country Income Group, 2017 -- Figure C.3 Share of Liberalized Countries in the Middle East and North Africa and in Sub-Saharan Africa, 2000-18 -- Figure C.4 Share of Foreign Participation in the Middle East and North Africa and in Sub-Saharan Africa, 2000-18 -- Tables -- Table 4.1 Change in Industry Shares of GDP in the Presence of Mobility Restrictions in West Bank, 1995-2017 -- Table 4.2 Simulated Change in GDP in the Presence of Mobility Restrictions -- Table 7.1 Technology Adoption, Liberalization, and Regulatory Independence -- Table 7.2 Data Stewardship in a Data Governance Framework -- Table 7.3 Regulation on Data Privacy in the Middle East and North Africa -- Table A.1 Relationships between Banking Restrictions, Financial Development, and Digital Payments -- Table A.2 Description of Variables -- Table B.1 ICT Infrastructure Coverage -- Table B.2 ICT Adoption-Digital Finance -- Table B.3 ICT Adoption-Enterprises and E-commerce -- Table B.4 ICT Enablers-E-Government Development Index Subindexes -- Table B.5 ICT Enablers-Quality of Institutions.

Sommario/riassunto

The argument that digitalization fosters economic activity has been strengthened by the global COVID-19 pandemic. Because digital technologies are general-purpose technologies that are usable across a wide variety of economic activities, the gains from achieving universal coverage of digital services are likely to be large and shared throughout each economy. However, the Middle East and North Africa region suffers from a "digital paradox†?": the region's population uses social media more than expected for its level of gross domestic product (GDP) per capita but uses the internet or other digital tools to make payments less than expected. The Upside of Digital for the Middle East and North Africa: How Digital Technology Adoption Can Accelerate Growth and Create Jobs presents evidence that the socioeconomic gains of digitalizing the economies of the region are huge: GDP per capita could rise by more than 40 percent; manufacturing revenue per unit of factors of production could increase by 37 percent; employment in manufacturing could rise by 7 percent; tourist arrivals could rise by 70 percent, creating jobs in the hospitality sector; long-term unemployment rates could fall to negligible levels; and female labor force participation could double to more than 40 percent. To reap these gains, universal access to digital services is crucial, as is their widespread use for economic purposes. The book explores how fast the region could approach universal coverage, whether targeting the rollout of digital infrastructure services makes a difference, and what is needed to increase the use of digital payment tools. The authors find that targeting underserved populations and areas can accelerate the achievement of universal access, while fostering competition and improving the functioning of financial and telecommunications sectors can encourage the adoption of digital technologies. In addition, building societal trust in the government and in related institutions

such as banks and financial services is critical for fostering the increased use of digital payment tools.

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| 3. Record Nr. | UNINA9910830140403321 |
| Autore | Bommarius A. S (Andreas Sebastian) |
| Titolo | Biocatalysis [[electronic resource] /] / A. S. Bommarius, B. R. Riebel |
| Pubbl/distr/stampa | Weinheim ; ; Cambridge, : Wiley-VCH, c2004 |
| ISBN | 1-280-56086-X 9786610560868 3-527-60605-X 3-527-60236-4 |
| Descrizione fisica | 1 online resource (637 p.) |
| Altri autori (Persone) | RiebelB. R (Bettina R.) |
| Disciplina | 660.634 |
| Soggetti | Enzymes - Biotechnology Biosynthesis Catalysis |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Description based upon print version of record. |
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Breadth of Biocatalysis; 1.4.1 Nomenclature of Enzymes; 1.4.2 Biocatalysis and Organic Chemistry, or "Do we Need to Forget our Organic Chemistry?"

2 Characterization of a (Bio-)catalyst

2.1 Characterization of Enzyme Catalysis; 2.1.1 Basis of the Activity of Enzymes: What is Enzyme Catalysis?; 2.1.1.1 Enzyme Reaction in a Reaction Coordinate Diagram; 2.1.2 Development of Enzyme Kinetics from Binding and Catalysis; 2.2 Sources and Reasons for the Activity of Enzymes as Catalysts; 2.2.1 Chronology of the Most Important Theories of Enzyme Activity; 2.2.2 Origin of Enzymatic Activity: Derivation of the Kurz Equation; 2.2.3 Consequences of the Kurz Equation; 2.2.4 Efficiency of Enzyme Catalysis: Beyond Pauling's Postulate

2.3 Performance Criteria for Catalysts, Processes, and Process Routes

2.3.1 Basic Performance Criteria for a Catalyst: Activity, Selectivity and Stability of Enzymes; 2.3.1.1 Activity; 2.3.1.2 Selectivity; 2.3.1.3 Stability; 2.3.2 Performance Criteria for the Process; 2.3.2.1 Product Yield; 2.3.2.2 (Bio)catalyst Productivity; 2.3.2.3 (Bio)catalyst Stability; 2.3.2.4 Reactor Productivity; 2.3.3 Links between Enzyme Reaction Performance Parameters; 2.3.3.1 Rate Acceleration; 2.3.3.2 Ratio between Catalytic Constant k_{cat} and Deactivation Rate Constant k_d ; 2.3.3.3 Relationship between Deactivation Rate Constant k_d and Total Turnover Number TTN

2.3.4 Performance Criteria for Process Schemes, Atom Economy, and Environmental Quotient; 3 Isolation and Preparation of Microorganisms; 3.1 Introduction; 3.2 Screening of New Enzyme Activities; 3.2.1 Growth Rates in Nature; 3.2.2 Methods in Microbial Ecology; 3.3 Strain Development; 3.3.1 Range of Industrial Products from Microorganisms; 3.3.2 Strain Improvement; 3.4 Extremophiles; 3.4.1 Extremophiles in Industry; 3.5 Rapid Screening of Biocatalysts; 4 Molecular Biology Tools for Biocatalysis

4.1 Molecular Biology Basics: DNA versus Protein Level

Sommario/riassunto

The whole range of biocatalysis, from a firm grounding in theoretical concepts to in-depth coverage of practical applications and future perspectives. The book not only covers reactions, products and processes with and from biological catalysts, but also the process of designing and improving such biocatalysts. One unique feature is that the fields of chemistry, biology and bioengineering receive equal attention, thus addressing practitioners and students from all three areas.

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| 4. Record Nr. | UNINA9911018965303321 |
| Titolo | Active metals : preparation, characterization, applications // edited by Alois Furstner |
| Pubbl/distr/stampa | Weinheim ; ; New York, : VCH, c1996 |
| ISBN | 9786611758578 9781281758576 1281758574 9783527615179 3527615172 9783527615162 3527615164 |
| Descrizione fisica | 1 online resource (486 p.) |
| Altri autori (Persone) | FurstnerAlois |
| Disciplina | 546.3 547.05 |
| Soggetti | Metal activation Active metals Organometallic compounds - Synthesis |
| 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 indexes. |
| Nota di contenuto | Active Metals; Preface; Contents; List of Contributors; 1 Rieke Metals : Highly Reactive Metal Powders Prepared by Alkali Metal Reduction of Metal Salts; 1.1 Introduction; 1.1.1 Physical Characteristics of Highly Reactive Metal Powders; 1.2 Rieke Magnesium, Calcium, Strontium, and Barium; 1.2.1 Formation of Rieke Magnesium; 1.2.2 Formation of Rieke Calcium. Strontium. and Barium; 1.2.3 Grignard Reactions Using Rieke Metals; 1.2.4 1,3-Diene-Magnesium Reagents; 1.2.4.1 Preparation; 1.2.4.2 Regioselectivity 1.2.4.3 Carbocyclization of (1,4-Diphenyl-2-butene-1,4-diyl) magnesium with Organic Dihalides 1.2.4.4 1,2-Dimethylenecycloalkane Magnesium Reagents; 1.2.4.5 Synthesis of Fused Carbocycles, , - Unsaturated Ketones and 3-Cyclopentenols from Conjugated Diene-Magnesium Reagents; 1.2.4.6 Synthesis of Spiro -Lactones and Spiro -Lactones from 1,3-Diene-Magnesium Reagents; 1.2.4.7 Synthesis of |

-Lactams from Conjugated Diene-Magnesium Reagents; 1.3 Rieke Zinc; 1.3.1 The Preparation of Rieke Zinc; 1.3.2 Direct Oxidative Addition of Functionalized Alkyl and Aryl Halides
1.3.3 Reactions of Organozinc Reagents with Acid Chlorides
1.3.4 Reactions of Organozinc Reagents with , -Unsaturated Ketones;
1.3.5 Reactions with Allylic and Alkynyl Halides; 1.3.6 Cross-Coupling of Vinyl and Aryl Organozinc Reagents Using a Palladium Catalyst; 1.3.7 Intramolecular Cyclizations and Conjugate Additions Mediated by Rieke Zinc; 1.3.8 Formation of Tertiary and Secondary Alkylzinc Bromides; 1.3.9 Cyanide-Based Rieke Zinc; 1.4 Organocopper Reagents Utilizing Rieke Copper; 1.4.1 Introduction; 1.4.2 Background to the Development of Rieke Copper; 1.4.3 Phosphine-Based Copper
1.4.4 Lithium 2-Thienylcyanocuprate-Based Copper
1.4.5 Copper Cyanide-Based Active Copper; 1.4.6 Two-Equivalent Reduction of Copper(I) Complexes : A Formal Copper Anion; 1.5 Rieke Aluminum, Indium, and Nickel; 1.5.1 Aluminum; 1.5.2 Indium; 1.5.3 Nickel; 1.6 Synthesis of Specialized Polymers and New Materials via Rieke Metals; 1.6.1 Formation of Polyarylenes Mediated by Rieke Zinc; 1.6.2 Regiocontrolled Synthesis of Poly(3-alkylthiophenes) and Related Polymers Mediated by Rieke Zinc; 1.6.3 Synthesis of Poly(phenylcarbyne) Mediated by Rieke Calcium, Strontium, or Barium
1.6.4 Chemical Modification of Halogenated Polystyrenes Using Rieke Calcium or Copper
1.6.5 Polymer Supported Rieke Metal Reagents and their Applications in Organic Synthesis; 2 Allylic Barium Reagents; 2.1 Introduction; 2.2 Preparation of Stereochemically Homogeneous Allylic Barium Reagents; 2.2.1 Direct Insertion Method Using Reactive Barium; 2.2.2 Stereochemical Stability; 2.2.3 Silylation of Stereochemically Homogeneous Allylic Barium Reagents; 2.2.3.1 Procedure for Generation of Reactive Barium (Ba*); 2.2.3.2 Procedure for Protonation of the Geranyl Barium Reagent
2.2.3.3 Silylation of (E)-2-Decenylbarium Chloride

Sommario/riassunto

Reactions with metals are ubiquitous in organic synthesis and, particularly in the last few years, a large repertoire of methods for the activation of metals and for their use in organic synthesis has been developed. In Active Metals, topics ranging from morphology of metal clusters and nanometallurgy to organometallic chemistry, catalysis and the use of activated metals in natural product synthesis are authoritatively discussed by leading experts in the field. Active Metals will allow you to fully benefit from the recent advances in the field by giving:* Detailed experimental p
