1. Record Nr. UNINA9910799482003321

Autore	Xiang Zhongfu
Titolo	70 Years of China's Bridges / / Zhongfu Xiang [and four others]
Pubbl/distr/stampa	Singapore : , : Springer, , [2023] ©2023
ISBN	981-9928-78-8
Edizione	[First edition.]
Descrizione fisica	1 online resource (314 pages)
Disciplina	016.22
Soggetti	Bridges - China
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Intro -- Preface -- About This Book -- Contents -- 1 The Origin and Development of Bridges -- Origin of Bridges -- Bridge Function -- Bridge Classification -- Bridge Classification by Mechanical Characteristics -- Bridge Classification by Other Methods -- Bridge Components -- Superstructure -- Substructure -- Bridge Development in China -- 2 Using Foreign Experience for Reference and Laying a Foundation for Further Bridge Development -- Introduction -- Lanxin Railway Yellow River Bridge -- Wuhan Yangtze River Bridge -- Tuotuo River Bridge Group -- Huanghugang Bridge -- Baishatuo Yangtze River Bridge -- 3 Taking Full Advantage of Local Materials and Innovating in Bridge Technology -- Introduction -- Nanpan River Changhong Bridge -- Donggong Bridge -- Niujiaotuo Jialing River Bridge Group -- Nanjing Yangtze River Bridge -- Liujiang Bridge -- Beibei Chaoyang Bridge Group -- Fuxingmen Bridge -- Yun'an Bridge -- 4 Learning Advanced Technology and Starting Rising -- Introduction -- Chongqing Yangtze River Bridge -- Santai Fujiang Bridge -- Jinan Yellow River Bridge -- Ankang Han River Bridge -- Shengli Yellow River Bridge -- Shimen Bridge -- Luoxi Bridge -- 5 Rapidly Developing and Becoming a World Power in the Number of Bridges -- Introduction -- Wangcang East River Bridge -- Yibin Nanmen Bridge -- Nanpu Bridge -- Jiujiang Yangtze River Bridge -- Second Wuhan Yangtze River Bridge -- Jiangjiehe Bridge -- Pumiao Bridge -- Wanzhou Yangtze River Bridge -- Tsing Ma Bridge -- Humen Bridge -- Ting Kau Bridge -- Jiangyin Yangtze River Bridge -- Haicang Bridge -- Egongyan Bridge --

6 Making Technological Breakthrough and Becoming a World Power in Bridge Technology -- Introduction -- Danhe Bridge -- Yajisha Bridge -- Wuhu Yangtze River Bridge -- Second Nanjing Yangtze River Bridge -- Beipan River Shuibai Railway Bridge -- Beipan River Guanxing Highway Bridge.
Lupu Bridge -- Dagu Bridge Group -- Wushan Yangtze River Bridge -- Fuxing Bridge -- Sai Van Bridge -- Yitong River Bridge -- Runyang Yangtze River Bridge -- Donghai Bridge -- Third Nanjing Yangtze River Bridge -- Lhasa River Bridge -- Chongqing Yangtze River Bridge Double-Line Bridge -- Yangluo Yangtze River Bridge -- Caiyuanba Yangtze River Bridge -- Sutong Yangtze River Bridge -- Tongtai Bridge -- Hangzhou Bay Bridge -- Sanhao Bridge -- Tianxingzhou Yangtze River Bridge -- Xihoumen Bridge -- Chaotianmen Yangtze River Bridge -- Dashengguan Yangtze River Bridge -- Danyang-Kunshan Grand Bridge -- Guozigou Bridge -- Jiaozhou Bay Bridge -- Ganhaizi Bridge -- Taizhou Yangtze River Bridge -- Aizhai Bridge -- Nanjing Qixiashan Yangtze River Bridge -- Ma'anshan Yangtze River Bridge -- Jiashao Bridge -- Bosideng Bridge -- Shuipan Expressway Beipan River Bridge -- Taohuayu Yellow River Bridge -- Chongqing Liangjiang Bridge -- Yingwuzhou Yangtze River Bridge -- Qinglong Railway Bridge -- Qingshui River Bridge -- Xinyue Bridge -- Nanpan River Railway Bridge -- Chishi Bridge -- The First Beipan River Bridge -- Yuntiandu Glass Bridge -- Longjiang Bridge -- Wuhaihu Bridge -- Yibin Jinsha River Road-Rail Bridge -- Yachihe Bridge -- Shapotou Suspension Bridge -- Hong Kong-Zhuhai-Macao Bridge Project -- Xingkang Bridge -- New Baishatuo Yangtze River Bridge -- Haiwen Bridge -- Nansha Bridge -- Yangsigang Yangtze River Bridge -- Egongyan Rail Transit Bridge -- China-Russia Heilongjiang Bridge -- Pingtan Strait Road-Rail Bridge -- Hutong Yangtze River Bridge -- Danjiang Bridge -- 7 Entering Foreign Lands and Becoming Established on the World Stage -- Introduction -- 8 Looking Back at the Past Whilst Looking Forward to the Future -- Looking Back at the Past -- Prestressed Concrete Girder Bridge -- Steel Box Girder Bridge and Steel Truss Girder Bridge.
Concrete-Filled Steel Tube Arch Bridge -- Reinforced Concrete Arch Bridge -- Steel Box Arch Bridge and Steel Truss Arch Bridge -- Double-Tower and Double Cable Planes Cable-Stayed Bridges with Steel Box, Steel Truss, or Steel-Concrete Composite Main Girder -- Double-Tower and Double Cable Planes Cable-Stayed Bridge with Concrete Main Girder -- Double-Tower and Single Cable Plane Cable-Stayed Bridge -- Multi-tower Cable-Stayed Bridge -- Single-Tower Cable-Stayed Bridge and Low-Tower Cable-Stayed Bridge -- Suspension Bridges with Steel Box, Steel Truss, or Steel-Concrete Composite Stiffening Girder -- Self-Anchored Suspension Bridge -- Composite System Bridge -- Sea-Crossing Bridge -- Future Development -- Appendix -- Index of Some Large Span Bridges in China -- References.