

1. Record Nr.	UNINA9910254015003321
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Titolo	The Geographical Sciences During 1986—2015 : From the Classics To the Frontiers // by Shuying Leng, Xizhang Gao, Tao Pei, Guoyou Zhang, Liangfu Chen, Xi Chen, Canfei He, Daming He, Xiaoyan Li, Chunye Lin, Hongyan Liu, Weidong Liu, Yihe Lü, Shilong Piao, Qihong Tang, Fulu Tao, Lide Tian, Xiaohua Tong, Cunde Xiao, Desheng Xue, Linsheng Yang, Linwang Yuan, Yuanming Zheng, Huiyi Zhu, Liping Zhu
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2017
ISBN	981-10-1884-7
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (LII, 596 p. 211 illus., 209 illus. in color.)
Collana	Springer Geography, , 2194-315X
Disciplina	910.951
Soggetti	Geography Environment Human geography Climate change Hydrology Geography, general Environment, general Human Geography Climate Change/Climate Change Impacts Hydrology/Water Resources
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Introduction: Interpreting the Geographical Sciences from a Perspective of Bibliometric Analysis -- Chapter 1 An Overview of Development in the Geographical Sciences -- Chapter 2 Trends in the Development of the Four Branches of the Geographical Sciences -- Chapter 3 Strategic Research Issues on the Geographical Sciences -- Chapter 4 A Review and Outlook of Research Fields on the Geographical Sciences Regarding NSFC.
Sommario/riassunto	In four chapters and an introduction, this book systematically helps readers understand the development of the Geographical Sciences both

in China and in the world during the past 30 years. Through data analysis of methodologies including CiteSpace, TDA, qualitative analysis, questionnaires, data mining and mathematical statistics, the book explains the evolution of research topics and their driving factors in the Geographical Sciences and its four branches, namely Physical Geography, Human Geography, Geographical Information Science and Environmental Geography. It also identifies the role of the Geographical Sciences in the analysis of strategic issues such as global change and terrestrial ecosystems, terrestrial water cycle and water resources, land change, global cryosphere evolution and land surface processes on the Tibetan Plateau, economic globalization and local responses, regional sustainable development, remote sensing modelling and parameter inversion, spatial analysis and simulation, and tempo-spatial processes and modelling of environmental pollutants. It then discusses research development and inadequacy of Chinese Geographical Sciences in the above-mentioned topics, as well as in the fields including Geomorphology and Quaternary environmental change, Ecohydrology, ecosystem services, the urbanization process and mechanism, medical and health geography, international rivers and transboundary environment and resources, detection and attribution of changes in land surface sensitive components, and uncertainty of spatial information and spatial analysis. It shows that the NSFC has driven the development in all these topics and fields. In addition, the book summarises trends of the Geographical Sciences in China and the research level in major countries of the world through an overview of geographical education in colleges and universities, the analysis of publications, citations and author networks of SCI/SSCI and CSCD indexed articles, and the description of Sino-USA, Sino-UK and Sino-German cooperation. This book serves as an important reference to anyone interested in geographical sciences and related fields.
