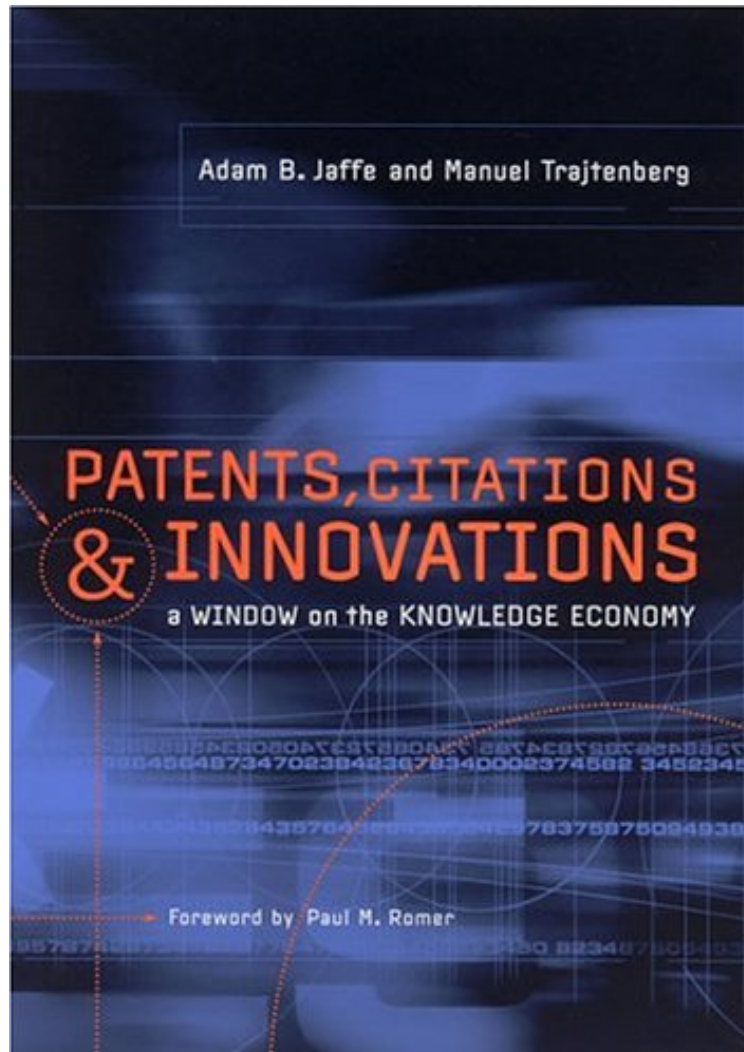


[Get free] Patents, Citations, and Innovations: A Window on the Knowledge Economy (MIT Press)

## Patents, Citations, and Innovations: A Window on the Knowledge Economy (MIT Press)

Adam B. Jaffe, Manuel Trajtenberg

*\*Download PDF | ePub | DOC | audiobook | ebooks*



[Download](#)

[Read Online](#)

#843474 in Books 2005-01-14 Original language: English PDF # 1 9.00 x 1.00 x 6.00l, 1.39 #File Name: 026260065X496 pages | File size: 49.Mb

**Adam B. Jaffe, Manuel Trajtenberg : Patents, Citations, and Innovations: A Window on the Knowledge Economy (MIT Press)** before purchasing it in order to gage whether or not it would be worth my time, and all praised Patents, Citations, and Innovations: A Window on the Knowledge Economy (MIT Press):

0 of 0 people found the following review helpful. Five Stars By V. Reinhardt Ordered for someone else, no complaints 0 of 0 people found the following review helpful. Very pleased with item and the exceptionally generous customer service I received. By Patrick Nelly It does a fantastic job for being so well and so inexpensive These are wonderful--- magical EXACTLY WHAT I WAS HOPING!!! well made and pratical I bought this for my family, it's really good,

they really like it. They have the name of the label, and so on, I'm sure I'll order it again. well made,very good product Very functional. Love how easy it is.1 of 2 people found the following review helpful. Technology "Vigilantes"By Santiago AcostaTechnology is know how to achieve human purposes by articulating a solid and up-to-date knowledge base with the necessary resources (machines, instruments, hardware and/or software, etc.) Many companies world wide have indeed found out how to achieve particular purposes differently or better than anybody else. In order to benefit from their efforts and appropriate their investements in RD, they patent their technological innovations.This book tells you "how-to" know who has achieved a particular purpose and how, by explainig you the necessary tools and techniques to scan the external environment of your company. This is a very important stage in any innovation management process since you can profile and see the whole technological trajectory: its major and more significant players, required knowledge base and resources, and where that paricular trajectory is heading.If you are involved in the strategic management of technology and innovation you will find this book a very important reading for the success of your company in the future. In order to enhance your competitiveness you need to know what is going on and this book tells you how to do it.

Innovation and technological change, long recognized as the main drivers of long-term economic growth, are elusive notions that are difficult to conceptualize and even harder to measure in a consistent, systematic way. This book demonstrates the usefulness of patents and citations data as a window on the process of technological change and as a powerful tool for research on the economics of innovation. Patent records contain a wealth of information, including the inventors' identity, location, and employer, as well as the technological field of the invention. Patents also contain citation references to previous patents, which allow one to trace links across inventions.The book lays out the conceptual foundations for such research and provides a range of interesting applications, such as examining the geographic pattern of knowledge spillovers and evaluating the impact of university and government patenting. It also describes statistical tools designed to handle methodological problems raised by the patent and citation processes. The book is accompanied by a set of auxiliary materials, including complete data on 3 million patents with more than 16 million citations and a range of author-devised measures of the importance, generality, and originality of patented innovations. This is available for download at <http://mitpress.mit.edu/jaffecdccontents>.

A useful book full of careful measurement of the incentives, institutions, and causal flows in the knowledge economy. Shows both the importance of the knowledge economy (now denied by fools on Wall Street) and how sound economic analysis applies to it (recently denied by the same fools.) (Timothy F. Bresnahan, Professor of Economics, Stanford University)Knowledge, which is hard to measure, is the core of modern economic growth. Jaffe and Trajtenberg have assembled the most comprehensive data set on patent citations, which allows them to trace major channels of knowledge creation. This outstanding book, which describes these data and puts them to good use, is a landmark in research on innovation and economic growth. (Elhanan Helpman, Department of Economics, Harvard University, and The Eitan Berglas School of Economics, Tel Aviv University)Since the time of Galileo, Kepler, and Francis Bacon, it has been recognized that scientific knowledge advances through careful measurement. Determining how scientific knowledge affects economic well-being has been a tougher nut to crack. This volume collects pioneering essays on the use of citations data to measure knowledge flows among scientists and engineers and the impact of those flows on economic growth. (F. M. Scherer, Professor Emeritus, John F. Kennedy School of Government, Harvard University)Jaffe, Trajtenberg, and their several co-authors have provided compelling evidence that patent data, combined with citation analysis, can be made to provide powerful insights into the performance of the knowledge economy. This book is, quite simply, required reading for anyone seeking empirical evidence relating to the determinants of economic growth. (Nathan Rosenberg, Professor of Economics (Emeritus), Stanford University)The studies here represent the best recent research using patents to measure inventive activity. The availability of this volume will inspire and assist future research on this important subject. (Martin Feldstein, President, National Bureau of Economic Research, and Professor of Economics, Harvard University)This book is both a major contribution to our understanding of the economic impact of the inventive and innovative activities that underlie economic progress and structural change, and a fitting tribute to the late Zvi Griliches by economists whom he trained. It reports on research based heavily on recent progress in computerizing data on science and technology, and should be read by scholars from all disciplines and all countries who share this endeavor. (Keith Pavitt, R. M. Phillips Professor of Science and Technology Policy, University of Sussex, England)Jaffe and Trajtenberg's use of the citation information on patent documents to indicate who gains from the knowledge creation of others, is a true breakthrough in an important measurement problem. It enables a scientific study of the causes and effects of research activity, and the numerous policy issues associated with the research and innovation process. This book both shows how to use this new data, and provides a diskette which enables us all to incorporate that data in our own future research. (Ariel Pakes, Professor of Economics, Harvard University)About the AuthorAdam B. Jaffe is Fred C. Hecht Professor in Economics and Dean of Arts and Sciences at Brandeis University.Manuel Trajtenberg is Chair of the Eitan Berglas School of Economics at Tel Aviv University, Research Associate of the NBER, Research Fellow of the Center for Economic Policy Research in

London, and Research Fellow of the Canadian Institute of Advanced Research.