

The Journal of Financial Economics

A retrospective evaluation (1974–91)*

G. William Schwert

University of Rochester, Rochester, NY 14627, USA

Received November 1992, final version received February 1993

Data for the 516 papers published in volumes 1–30 of the *Journal of Financial Economics* in the period 1974–91 are analyzed. 477 authors from 136 institutions contributed papers, and these papers received 16,231 citations according to the *Social Science Citation Index*. Lists of authors and institutions who have contributed the most papers to the *JFE* and a list of the mostly highly-cited *JFE* papers show why the *Journal* has been successful in influencing the finance and economics literature during its first 18 years.

1. Introduction

The *Journal of Financial Economics (JFE)* has become a preeminent academic journal since its founding in 1974 by Michael Jensen. Through the leadership of Dean William Meckling at the Graduate School of Management at the University of Rochester, and in collaboration with North-Holland

Correspondence to: G. William Schwert, William E. Simon Graduate School of Business Administration, University of Rochester, Rochester, NY 14627, USA.

*Schwert wrote this editorial and was responsible for the data collection and analysis. Statements about past and prospective editorial policies reflect the views of current and former *Journal of Financial Economics* editors (Eugene F. Fama, Michael C. Jensen, John B. Long, Robert C. Merton, Wayne H. Mikkelson, Richard S. Ruback, G. William Schwert, Clifford W. Smith, René M. Stulz, and Jerold B. Warner, whose comments and suggestions on this editorial are gratefully acknowledged). The William E. Simon Graduate School of Business Administration at the University of Rochester and the Division of Research of the Harvard Graduate School of Business Administration provided support for this effort and for the *Journal of Financial Economics*.

Publishing Company, the *Journal* received strong early support. Eugene Fama and Robert Merton became founding coeditors and worked with Jensen in organizing the *JFE*. At Merton's suggestion, the editors adopted citations to *JFE* papers as one of the major measures by which to evaluate the *Journal* and its influence on the profession.

To celebrate the publication of Volume 30 in 1991, the *JFE* compiled a cumulative index of articles and authors that have appeared in the *Journal* since its founding. Data on citations in the *Social Science Citation Index (SSCI)* during 1974-91 have been collected for all of these papers. The editors also decided to collect and analyze data on the types of papers as well as the affiliations of the authors who have contributed to the *Journal* in its first 18 years. This editorial summarizes and analyzes these data.

To provide some background, section 2 describes the major editorial policies and goals that have guided the *Journal of Financial Economics*. The *JFE* has been innovative in its use of incentive mechanisms, such as submission fees, in managing the review and editorial process. It has also been entrepreneurial in developing new areas of research through special issues, conferences and clinical papers. It has stressed both expository quality and the importance of empirical implications in theoretical work. Data on the number of submissions, submission fees, the rejection rate for submitted papers, turnaround time, and the topics of published papers (according to *Journal of Economic Literature* classifications) show how the *JFE* has evolved since 1974.

Section 3 analyzes data from the *Social Science Citation Index* on citations to papers published in the *Journal of Financial Economics*. These data show which papers, authors, and institutions have had the most influence on the finance and economics literature. Both time-series and cross-sectional analyses of these data provide insight into the effects of *JFE* policies over the past 18 years. Readers of past editorials in Volumes 18 (1987) and 28 (1990) know that the *Journal of Financial Economics* has a consistently high rank compared with other economics journals in terms of citation rate. For example, the latest study of journal rankings by the *SSCI* (1989) ranks the *JFE* higher than all other economics journals except the *Journal of Economic Literature* and *Econometrica*. Out of 1,400 social science journals, the *JFE* ranks 17th. These rankings are based on the 1989 'impact factor' (the number of citations in 1989 to papers published in 1987 and 1988, divided by the

¹A Lotus® 1-2-3® or Microsoft® Excel™ spreadsheet containing the data used in preparing this editorial is available for a nominal handling fee on request to the *Journal of Financial Economics* office in Rochester.

number of papers published in 1987 and 1988). For 1989, the impact factor for the *JFE* was 3.557. Other top-ranked economics journals (and their impact factors) are the *Journal of Economic Literature* (5.455), *Econometrica* (3.599), the *Journal of Political Economy* (2.321), and the *American Economic Review* (1.739). In the business/finance group, the *JFE* was the top-ranked journal; the next highest journals (and their impact factors) were the *Journal of Monetary Economics* (2.446), the *Journal of Accounting & Economics* (2.417), and the *Journal of Finance* (1.402).

Of course, the use of citation data is sometimes controversial. Edward Leamer (1981) summarized this debate as follows:

Many of you will conjure up reasons why the number of citations should be ignored. There are fads; there are self-citations; there are citations conspiracies; there are derogatory citations; there are bribes to editors and referees; there are sycophantic students; and there are subjects capable of direct understanding only by a few. But why didn't your papers start fads; why don't you publish more and cite yourself; why did your conspiracies fail; why don't you become an editor; why don't your students care about your welfare; and why do you insist on writing about obscure issues?

The citation data analyzed here help explain the overall success of the *JFE*. Section 4 provides concluding remarks.

2. *JFE* editorial policies

The 'aims and scope' of the *Journal of Financial Economics* are described on the inside cover of each issue:

The Journal of Financial Economics provides a specialized forum for the publication of research in the area of financial economics and the theory of the firm, placing primary emphasis on the highest quality analytical, empirical, and clinical contributions in the following major areas: capital markets, financial institutions, corporate finance, corporate governance, and the economics of organizations.

In addition, at the beginning of every issue of the *Journal of Financial Economics* since 1975, we have published editorial data describing turnaround times and the rejection rate for papers under review during the preceding 12

²*Econometrica's* impact factor has risen from 1.82 in 1987 and 2.52 in 1988, whereas the *Journal of Financial Economics'* impact factor was 2.93 and 3.39 in 1987 and 1988.

months. These data reflect not only the importance placed by the *JFE* editors on a prompt, high-quality review process but also our desire to communicate our productivity to authors and thereby to have our performance continually monitored. Of course, no journal would aspire to publish low-quality, irrelevant papers using a slow, low-quality review process. However, the *JFE* has used several innovative editorial policies to differentiate itself from competing journals.

2.1. Using prices to improve efficiency

From its inception, the *Journal of Financial Economics* has charged authors submission fees and paid referees for submitting reports within predetermined time limits. We subsequently began paying editors for prompt service after they became the bottleneck. At the same time, we started publishing turnaround data inside the front cover. Submission fees have always been refunded to authors of accepted papers, so the expected fee for a high-quality paper is low. On the other hand, papers that require several revisions before meeting publication standards must pay several submission fees. The *JFE* editors have tried to keep submission fees high enough to induce authors to improve their papers as much as possible before asking a referee and an editor to read and critique their work. The editorial in Volume 17 (1986) provides a more detailed history and analysis of the role that submission fees play in the management of the *Journal*.

Fig. 1 plots submission fees (deflated by the Consumer Price Index to August 1973 dollars) along with the number of submissions per month to the *Journal of Financial Economics* from August 1973 through December 1991. This plot shows that there has been a secular rise in the demand for *JFE* editorial services, despite the growth in real submission fees (students of simultaneous equations methods will recognize that the scatter plot of submissions versus fees would be upward-sloping because the demand curve has shifted outward over time, not because the demand elasticity is positive).

Fig. 2 shows the rejection rate and the median turnaround time for *JFE* submissions in 1974-91. Since the first few years of operation, rejection rates and turnaround times have been stable with only a small upward trend. There have been brief periods when these measures of editorial activity have varied from normal levels, often due to an unusually large number of submissions (see fig. 1). Some of these unusual episodes have been related to special issues of the *JFE* (see section 2.4). At other times, when the number of submissions has overwhelmed the current editorial staff and turnaround times rose, we have expanded the number of editors, as can be seen in table 1.

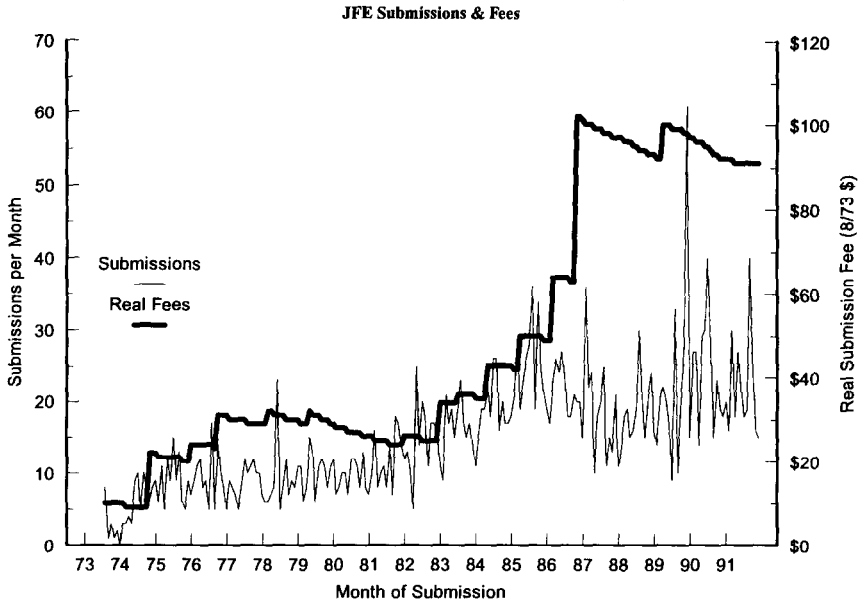


Fig. 1. Monthly number of *JFE* submissions and real submission fees (in August 1973 dollars) in the period August 1973 - December 1991.

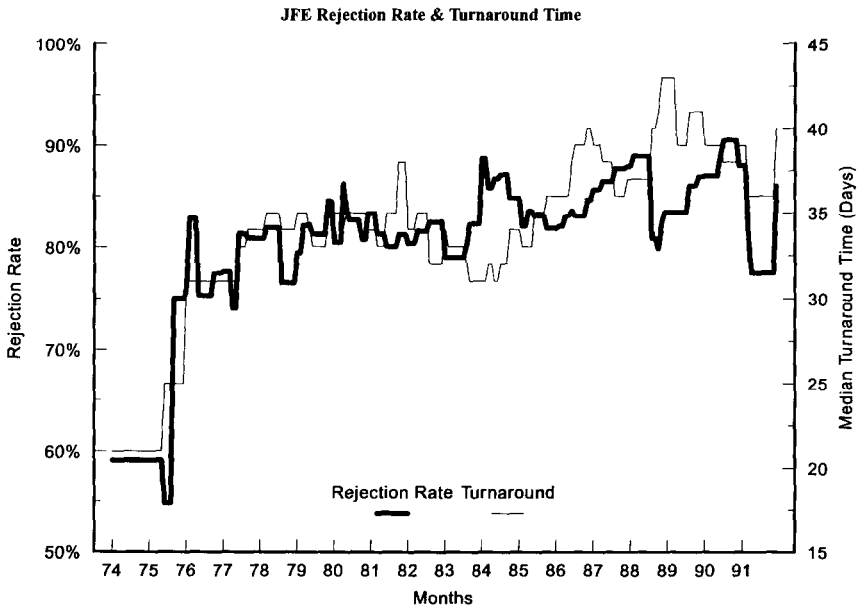


Fig. 2. *JFE* rejection rate and median turnaround time for the preceding twelve months for each issue in the period January 1974 - December 1991.

Table 1 lists editors and their periods of service. It includes those who have served as coeditors and advisory editors, since these individuals sometimes make editorial decisions on submitted papers. The last column in table 1 shows the total number of papers that these nine editors have authored in the *JFE* during 1974-91, and the next-to-last column shows how many of these papers were authored while acting as editors (section 3 contains more information about authors who have contributed to the *JFE*).

Table 1

Editors of the *Journal of Financial Economics*, 1974-91

Includes service as Managing Editor, Editor, Coeditor, or Advisory Editor. The last columns show the number of *JFE* papers authored while serving as an Editor and the total number of *JFE* papers authored during 1974-91.

	Years of Service			Volumes	Papers Authored	
	First	Last	Total		While Editor	Editor
Fama, E.F.	74	91	18	30	11	11
Jensen, M.C.	74	91	18	30	6	6
Long, J.B.	83	91	9	20	1	5
Merton, R.C.	74	77	4	4	3	4
Ruback, R.S.	88	91	4	9	0	7
Schwert, G.W.	79	91	13	24	2	5
Smith, C.W.	83	91	9	20	4	8
Stulz, R.M.	83	86	4	8	1	8
Warner, J.B.	87	91	5	13	2	7

2.2. Peer review and feedback

All academic journals depend on the peer review system for their success. Successful authors and others who exhibit expertise in a particular area are frequently identified by journal editors as potential referees. Given the scarce time available to referees, how can one journal elicit quicker and higher-quality reviews?

From the beginning, Michael Jensen advocated both price and feedback incentives to affect referees' behavior. The *JFE* was only the second economics journal to pay referees who returned their reports within a prespecified 21-day period from receipt of the paper, although many major finance and economics journals now pay referees for prompt reports. Since the submission fee for papers was raised to \$275 in 1986, we have offered a 1/3 submission fee discount for timely referees' reports, in addition to a dollar payment. Thus, referees face a lower effective submission fee than others who do not contribute to the peer review system. While these payments do not compensate for the time of the referee, they do give referees an incentive to move *JFE* papers up in their queue of work. Some authors are particularly sensitive to speed in the review process. For example, junior faculty who face a tenure review within a short period gain the most from quick feedback on their work. By publishing the distribution of turnaround times on the first page of each issue of the *Journal*, and by striving to have a limited backlog of accepted papers waiting for publication, the *JFE* has stressed speed as an important aspect of its service.

Of course, speed is not the only dimension of journal service. Authors also want comments and criticisms that will improve the quality of their work, whether or not their papers are published in the *Journal*. The *JFE* has departed from many of its competitors in several ways that are intended to improve the quality of feedback to authors. First, most submissions are reviewed by only one referee, making the referee more responsible for the outcome (i.e., the free rider problem is smaller). The cost of this policy is that idiosyncratic judgement by a single referee could expose the author to more risk. However, this risk is alleviated by having the editor who handles the paper carefully monitor the referee report. The editor often acts as a second referee in providing comments to the author. Most important (and most unusual compared with the practices of other journals), the referee always receives a copy of the letter written by the editor to the author. Thus, if the editor feels that a referee has erred, that information is conveyed to both the referee and the author. This feedback device enables the editors to convey *JFE* policies to both authors and referees in a consistent way, which is important since many of our best referees are also authors. Coupled with the

³The *Bell Journal of Economics and Management Science* began paying referees for prompt reports when it began operation in 1970. Its founding editor, Paul MacAvoy, reports that *The Bell Journal* was unusual in that it paid authors substantial royalties for accepted papers and it mailed subscriptions free to all members of the American Economics Association. The budget for *The Bell Journal* was provided by American Telephone and Telegraph Company. *The Bell Journal* did not use submission fees.

Table 2
Associate Editors of the *Journal of Financial Economics*, 1974-91

The last columns show the number of *JFE* papers authored while serving as an Associate Editor and the total number of *JFE* papers authored in the period 1974-91.

Associate Editor	Years of Service			Papers Authored			Associate Editor	Years of Service			Papers Authored		
	First	Last	Total	Volumes	White Ass Ed	Total		First	Last	Total	Volumes	White Ass Ed	Total
Asquith, P.	84	90	7	17	2	4	Mayers, D.	74	91	18	30	7	7
Baker, G.P.	89	91	3	6	1	1	Merton, R.C.	78	83	6	8	1	4
Barclay, M.J.	87	91	5	12	4	4	Mikkelson, W.H.	86	91	6	16	2	7
Bawa, V.S.	77	81	5	5	3	5	Miller, M.	74	83	10	12	0	0
Black, F.	74	86	13	18	4	4	Mossin, J.	74	78	5	6	0	0
Blume, M.E.	75	81	7	8	0	1	Myers, S.C.	74	88	15	22	2	2
Brealey, R.A.	74	81	8	9	0	0	Palepu, K.G.	89	91	3	8	1	2
Breeden, D.T.	82	87	6	12	1	2	Plosser, C.	79	83	5	6	0	0
Breunann, M.J.*	74	91	10	19	3	4	Richard, S.F.	76	83	8	10	2	3
Campbell, J.Y.	89	90	2	6	0	1	Roll, R.	74	91	18	30	7	7
Cass, D.	74	78	5	6	0	0	Ross, S.A.	74	83	10	12	5	5
Dann, L.Y.	87	91	5	13	1	5	Rozeff, M.S.	77	83	7	8	0	3
DeAngelo, H.	84	91	8	18	4	7	Ruback, R.S.	82	87	6	12	6	7
Donaldson, G.	89	91	3	7	1	1	Rubinstein, M.	74	91	18	30	2	2

French, K.R.	84	91	8	18	5	7	Samuelson, P.A.	74	78	5	6	1	1
Gaver, K.	77	78	2	2	0	0	Scholes, M.S.	74	83	10	12	3	4
Geisel, M.	74	78	5	6	0	0	Schwartz, E.S.	87	91	5	12	0	4
Gibbons, M.R.	82	88	7	15	3	3	Schwert, G.W.	77	78	2	3	3	5
Gonedes, N.	74	75	2	2	0	0	Shanken, J.	87	91	5	12	3	4
Gould, J.P.	76	83	8	10	1	1	Shleifer, A.	87	91	5	12	2	2
Granger, C.W.J.	74	78	5	6	0	0	Smith, C.W.	77	82	6	6	3	8
Hakansson, N.H.	74	81	8	9	2	2	Stambaugh, R.F.	84	91	8	18	4	7
Hite, G.L.	82	91	10	21	2	3	Stoll, H.R.	86	91	6	16	0	2
Ingersoll, J.E.	79	88	10	16	2	4	Stulz, R.M.	87	91	5	12	5	8
Long, J.B.	74	82	9	17	4	5	Vishny, R.W.	87	91	5	12	2	2
Kaplan, S.N.	91	91	1	2	1	5	Warner, J.B.	79	86	8	11	4	7
Kleidon, A.W.	84	89	6	13	0	2	Watts, R.L.	74	88	15	22	2	2
Kraus, A.	77	85	9	11	0	0	Whaley, R.E.	89	91	3	8	0	4
Lintner, J.	74	78	5	6	0	0	Wolfson, M.A.	89	91	3	7	1	2
Litzenberger, R.	80	88	9	17	3	7	Wruck, K.H.	89	91	3	8	3	4
Mandelbrot, B.B.	74	78	5	6	0	0	Zellner, A.	74	75	2	2	0	0
Masulis, R.W.	87	89	3	8	1	6							

*Michael Brennan resigned from the Board while he was Editor of the *Journal of Finance* and the *Review of Financial Studies*.

careful selection of referees, our ongoing monitoring of referees delivers the generally high quality of feedback sought by authors.

The Board of Associate Editors includes people who provide the highest level of peer review. Typically, associate editors have been important contributors to the *JFE* as both referees and authors. Occasionally, they help the *Journal* identify important papers for solicitation (for which the submission fee is waived). Table 2 lists the associate editors and their periods of service. The last column shows the number of papers these people have authored in the *JFE* since 1974, and the next-to-last column shows the number of papers they authored while serving as associate editors. While the Board of Associate Editors includes well-known senior people, many members were added early in their careers because they were identified as productive scholars and reviewers. Indeed, many of these people were on the *JFE* Board before they were given similar recognition by other finance and economics journals, including many editors of the *Journal of Finance* and the *Review of Financial Studies* (Blume, Brennan, Mayers, Stulz, Gibbons, Ingersoll and Stambaugh), as well as Douglas Breen, currently serving as editor of the *Journal of Fixed Income*, John Campbell, currently serving as an editor of the *American Economic Review*, Charles Plosser, currently serving as an editor of the *Journal of Monetary Economics*, Andrei Shleifer, currently serving as an editor of the *Quarterly Journal of Economics*, and Ross Watts, one of the founding Editors of the *Journal of Accounting & Economics*.

2.3. *Expositional policies*

The *Journal of Financial Economics* has always stressed expositional clarity as an important goal for the papers it publishes. Beyond the usual help that editors and referees provide authors, the *JFE* offers two additional processes aimed at improving expositional quality. First, every accepted paper is reviewed and critiqued by a professional copy editor. Second, every accepted paper is read and critiqued by the managing editor, Michael Jensen.

The *JFE* also has unusual standards for tables and figures. The goal is for each table and figure to be virtually self-contained; that is, readers should be able to understand the information in the table or figure without frequent reference to the text of the article. We believe this objective is important since many readers skim a paper's abstract, tables, figures, and conclusions in deciding whether to devote the time to read the paper carefully. In addition, many readers use results from *JFE* papers as separate classroom handouts to highlight a particular fact or result. (Since René Stulz became its editor in 1987, the *Journal of Finance* has instituted table and figure policies similar to

those of the *JFE*.) To help authors achieve this goal, we send a packet of materials containing good examples of tables and figures when authors are being encouraged to revise and resubmit a paper for further review. Frequently, *JFE* editors also send authors instructions on footnotes (we strive to minimize footnotes) and other matters of exposition (e.g., Hamermesh (1992), McCloskey (1985), Twain (1962), Wydick (1978), and Zimmerman (1989)). The editors believe that expositional quality is important, along with analytical quality, in determining the success of the *Journal of Financial Economics*. While it is hard to measure the effect of this policy on the success of the *Journal*, we believe it has been substantial.

The *JFE* stresses clarity, but it also has a policy of ignoring absolute length in judging the publishability of a paper. We would rather see one longer comprehensive paper with superior content than several shorter papers (whose cumulative length is greater). This policy also distinguishes the *JFE* from many competing economics and finance journals. For example, the *American Economic Review* has a policy that submitted manuscripts should be shorter than 50 manuscript pages. Fig. 3 shows the distribution of paper lengths for the 516 papers published in Volumes 1-30. The average length is about 24 *Journal* pages, but 20 papers have been more than 40 *Journal* pages long (and some of these papers are among the most cited papers, as seen in table 7, below).

2.4. *Entrepreneurial activities: Conferences, special issues, and clinical papers*

Another policy that has differentiated the *JFE* from other finance and economics journals is the frequent effort to highlight and cultivate new areas of research. Table 3 lists the special symposium issues of the *Journal of Financial Economics*, many of which resulted from conferences that were cosponsored by the *Journal*. It shows the topic of the symposium, the number of papers and pages in the special issue, the editors responsible, and the total number of citations to these papers from publication through 1991 (from the *Social Science Citation Index*). It also shows the average citations per year per paper for each symposium. While these special issues vary in size and subject matter, it is clear from the citation data that they have been highly influential on the literature. For the special issues prior to 1989, the average number of citations per year per paper is 6.8, almost twice as high as the 3.5 average citations per paper per year for normal issues of the *JFE*. (The citations to articles in volumes with 1989-91 publication dates are artificially low because the *Journal* had substantial publication lags in those years. For

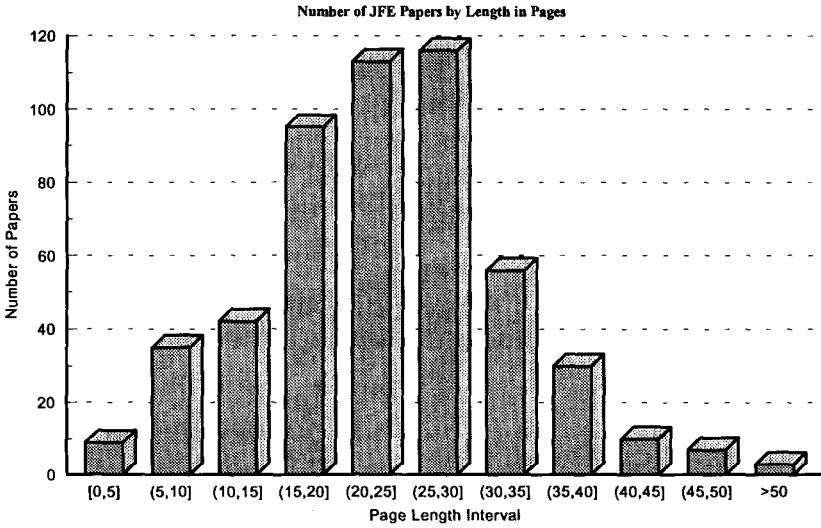


Fig. 3. Frequency distribution of 516 *JFE* papers by page length in the period 1974-91, Volumes 1-30. Mean number of pages equals 23.9 and the standard deviation is 9.3 (the notation (5,10] denotes more than 5 and less than or equal to 10 pages).

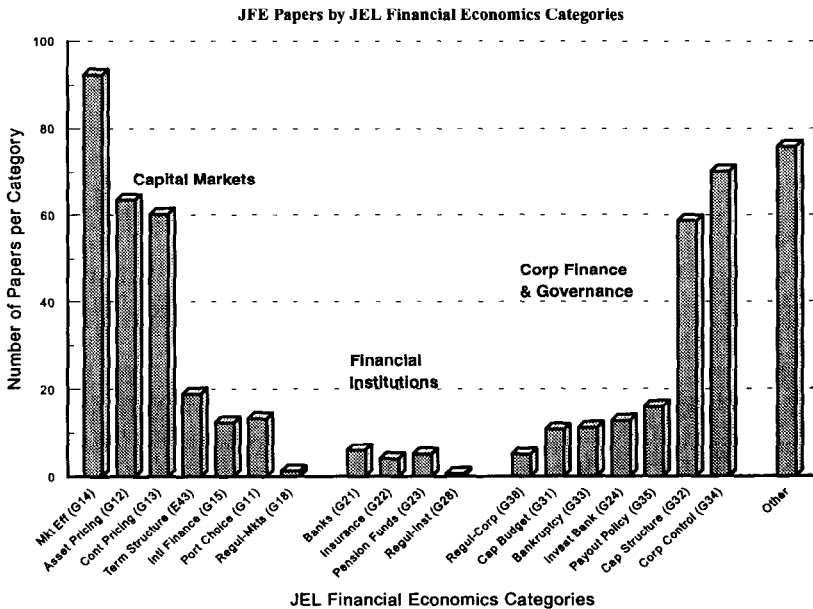


Fig. 4. Frequency distribution of number of *JFE* papers by *Journal of Economic Literature (JEL)* financial economics categories plus 'Other' non-financial economics categories, for 516 papers with 736 *JEL* classifications in the period 1974-91. For papers classified in n categories, each category is credited with $1/n$ paper.

example, Volume 25, No. 2, which had a December 1989 publication date, was mailed to subscribers in December 1990, and Volume 30, No. 2, with a December 1991 publication date was mailed in April 1992.) Section 3 provides further analysis of citation patterns for *JFE* papers.

Table 3

Special Issues of the *Journal of Financial Economics*, 1974-91

Topic	Year	Volume	Papers	Pages	Citations		Editors
					Total	Paper/ Year	
Option Pricing Models	76	3	6	176	814	8.5	Jensen
Anomalous Evidence Regarding Market Efficiency	78	6	9	235	402	3.2	Jensen
Futures Pricing	81	9	3	62	214	6.5	Schwert
The Market for Corporate Control: The Scientific Evidence	83	11	16	466	1060	7.3	Jensen
Size and Stock Returns, and Other Empirical Regularities	83	12	8	154	554	7.7	Schwert
Investment Banking and the Capital Acquisition Process	86	15	10	279	550	9.2	Jensen & Smith
The Distribution of Power Among Corporate Managers, Shareholders, and Directors	88	20	18	504	378	5.3	Jensen & Warner
The Structure and Governance of Enterprise	90	27	23	604	59	1.3	Jensen & Ruback
Average for <i>JFE</i> Special Issues, 1974-88						6.8	
Average for Normal Issues of the <i>JFE</i> , 1974-88						3.5	

Citations are from the *Social Science Citation Index* from the year of publication through 1991. Since the *Journal of Financial Economics* had substantial publication lags in 1989-91, the citations for these issues are artificially low.

Besides the special issues, in 1989 the *JFE* began a section on clinical papers under the guidance of Richard Ruback (see the editorial at the beginning of Volume 24). Through the end of Volume 30, 17 clinical papers have been published. The average number of citations to these papers through 1991 is 1.7, compared with 2.1 average citations for the 86 non-clinical papers published since Volume 24. Thus, while these papers differ in style and subject matter from traditional *JFE* articles, they appear to be having a similar impact on the literature. Of course, the goal of the clinical papers section is somewhat different, so it is not appropriate to judge the success of this experiment solely on the basis of citations from the academic journal literature.

3. Evaluation of the results

There are many ways to summarize the activity of the *Journal of Financial Economics*. The following data show the topics of *JFE* papers (by *Journal of Economic Literature* (*JEL*) categories), the authors and institutions who have contributed to the *JFE*, and the citations received by *JFE* papers, authors and institutions. The citation data are from the *Social Science Citation Index* (*SSCI*) online database and were collected by Michael Stevenson of Baker Library, Harvard Business School. Data were collected on the number of citations to each paper for each year since it was published in the *JFE*. The citations for 1991 are lower than for 1990 because of data collection and reporting lags; some journals with 1991 publication dates do not appear until 1992, and the *SSCI* enters citation data with a lag after citing journals appear. Moreover, as the *JFE* suffered publication lags in 1989-91, citations to papers in these issues will be artificially low for a couple of years (fig. 8 below shows this effect).

Several checks were performed on the accuracy of the citation data. For example, the William E. Simon Graduate School of Business Administration at the University of Rochester has collected citation data from the *SSCI* books for many business school faculty members as part of its personnel review process. The Rochester data for *JFE* papers was compared with the data collected for this paper. While there are some differences in year-by-year citation counts for many papers, these differences are not large or systematic. While there are undoubtedly errors in this database, we have no reason to believe that the errors would affect the conclusions drawn from these data (readers who notice apparent errors in our citation counts are encouraged to send copies of their data to the Rochester *JFE* office so that the database can be updated).

Table 4

Journal of Economic Literature Classifications Used in *Journal of Financial Economics* Index

General Financial Markets	D81	Criteria for Decision-Making under Risk and Uncertainty
G11 Portfolio Choice	D82	Asymmetric and Private Information
G12 Asset Pricing	D83	Search, Learning, and Information
G13 Contingent Pricing; Futures Pricing	D91	Intertemporal Consumer Choice; Life Cycle Models and Saving
G14 Information and Market Efficiency	D92	Intertemporal Firm Choice and Growth, Investment, or Financing
G15 International Financial Markets		
G18 Government Policy and Regulation		
Financial Institutions and Services	Macroeconomics and Monetary Economics	
G21 Banks; Other Depository Institutions; Mortgages	E31	Price Level; Inflation; Deflation
G22 Insurance; Insurance Companies	E32	Business Fluctuations; Cycles
G23 Pension Funds; Other Private Financial Institutions	E43	Determination of Interest Rates; Term Structure of Interest Rates
G24 Investment Banking	E51	Money Supply; Credit; Money Multipliers
G28 Government Policy and Regulation		
Corporate Finance and Governance	International Economics	
G31 Capital Budgeting; Investment Policy	F31	Exchange Rates; Foreign Exchange Intervention
G32 Financing Policy; Capital and Ownership Structure		
G33 Bankruptcy; Liquidation	Public Economics	
G34 Mergers; Acquisitions; Restructuring; Voting; Proxy Contests	H20	General: Taxation and Subsidies
G35 Payout Policy	H26	Tax Evasion
G38 Government Policy and Regulation		
Econometric and Statistical Methods	Labor and Demographic Economics	
C11 Bayesian Analysis	J33	Compensation Packages; Payment Methods
C15 Statistical Simulation Methods; Monte Carlo Methods		
C22 Single Equation Time-Series Models	Law and Economics	
C31 Multiple Equation Cross-Sectional Models	K21	Antitrust Law
Microeconomics	K22	Corporate and Securities Law
D23 Organizational Behavior; Transaction Costs; Property Rights	Industrial Organization	
D51 Exchange and Production Economies	L14	Transactional Relationships; Contracts and Reputation
D52 Incomplete Markets	L22	Firm Organization and Market Structure; Markets vs. Hierarchies; Vertical Integration
	Business Administration	
	M41	Accounting

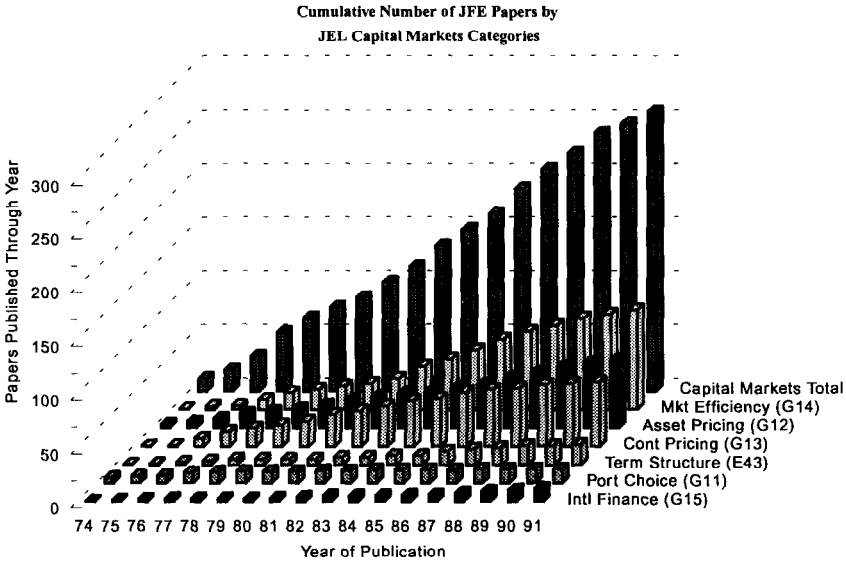


Fig. 5A. Cumulative number of *JFE* papers from 1974 through Year of Publication in the six major *JEL* Capital Markets categories for the period 1974-91, and the total for all six categories. For papers classified in n categories, each category is credited with $1/n$ paper.

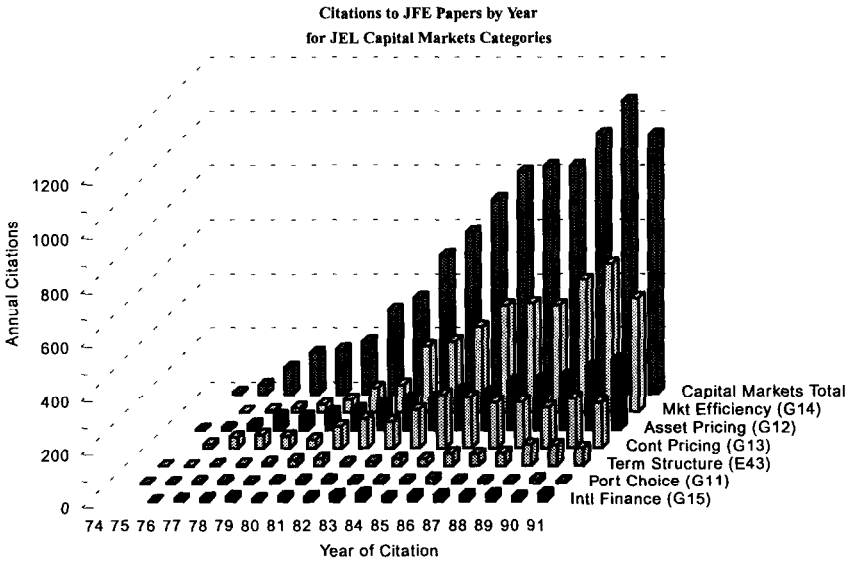


Fig. 5B. Total annual citations from the *Social Science Citation Index* to all *JFE* papers published up to the Year of Citation in the six major Capital Markets categories for the period 1974-91, and the total for all six categories. For papers classified in n categories, each category is credited with $1/n$ citations.

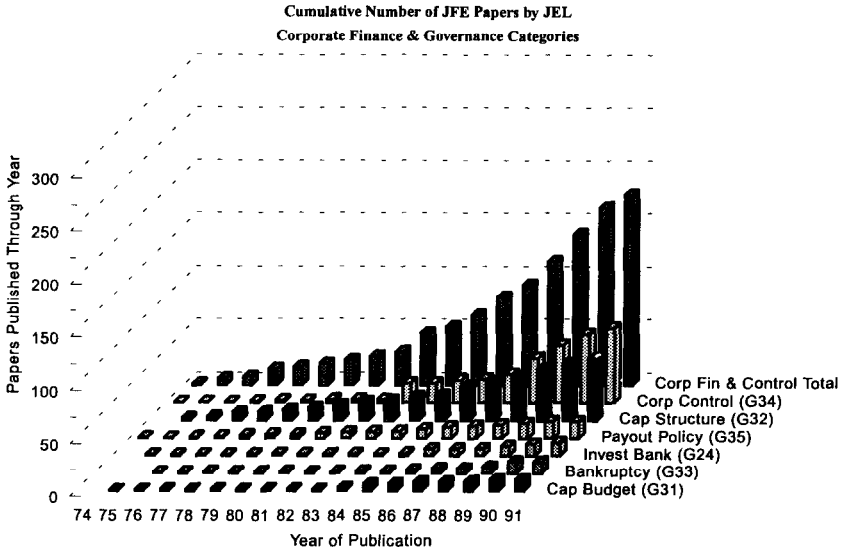


Fig. 6A. Cumulative number of *JFE* papers from 1974 through Year of Publication in the six major *JEL* Corporate Finance & Governance categories for the period 1974-91, and the total for all six categories. For papers classified in n categories, each category is credited with $1/n$ paper.

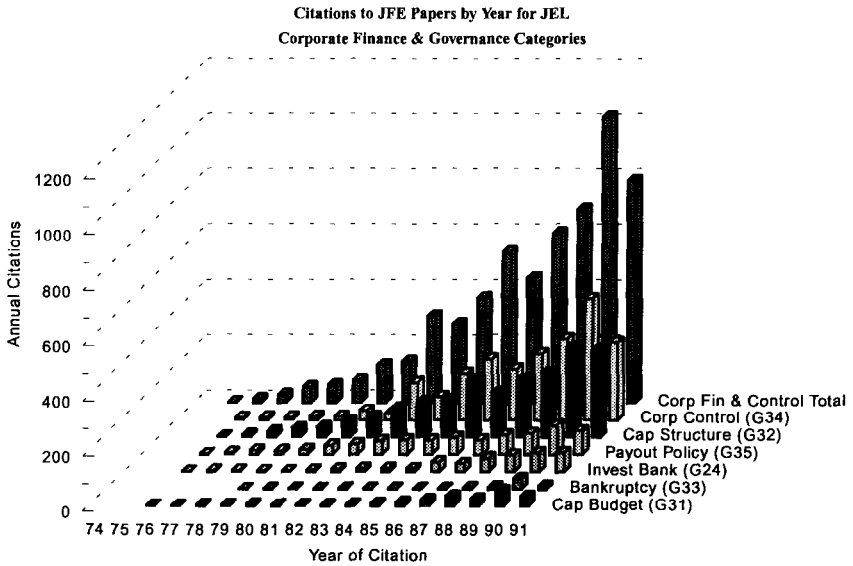


Fig. 6B. Total annual citations from the *Social Science Citation Index* to all *JFE* papers published up to the Year of Citation in the six major Corporate Finance & Governance categories for the period 1974-91, and the total for all six categories. For papers classified in n categories, each category is credited with $1/n$ citations.

3.1. Subject matter

Table 4 lists the *JEL* classifications used in creating the cumulative index of the *Journal of Financial Economics* for Volumes 1-30 (see pages 369-394 at the end of Volume 30). Fig. 4 shows the major *JEL* classifications of the 516 *JFE* papers for the financial economics categories (G11-G38 plus E43), as well as the sum of all other categories grouped together. If a paper is categorized in n *JEL* groups, each category gets credit for $1/n$ papers. There are 736 classifications for the 516 papers, so the average *JFE* paper is categorized in about 1.5 areas. These data show that the categories of Asset Pricing, Contingent Pricing, Market Efficiency, Capital Structure, and Corporate Control have the largest number of published papers.

Fig. 5A shows the time series of *JFE* papers published in the major capital markets areas: Information and Market Efficiency, Asset Pricing, Contingent & Futures Pricing, Term Structure of Interest Rates, International Financial Markets, and Portfolio Choice. Again, papers that are classified into n categories are credited with $1/n$ paper in each group. The most notable feature of fig. 5A is that papers on portfolio choice were prominent in early issues of the *JFE*, but have dwindled in recent years. (The *Journal of Finance* is believed to show a similar pattern.)

Fig. 5B shows the citations in each year of 1974-91 to *JFE* papers in the major capital markets areas. Citations to capital markets papers grew rapidly from 1974 to 1986, when they were over 800 per year. The growth has been slower in recent years as citations to some early papers has dropped off. In 1990, capital markets papers received about 1,100 citations. Papers on Market Efficiency (G14) produce the largest number of citations among the capital markets categories.

Fig. 6A shows the time series of *JFE* papers published in the major corporate finance areas: Corporate Control (Mergers, Acquisitions, Restructuring, Voting, Proxy Contests), Capital and Ownership Structure, Payout Policy, Investment Banking, Bankruptcy, and Capital Budgeting. Compared with the capital markets papers in fig. 5A, corporate finance papers have grown faster from a smaller initial base. Moreover, it is clear from fig. 6A that the special issues on corporate control in 1983, 1988, and 1990 represented a major shift in the supply of research on these topics. Similarly, the special issue on investment banking in 1986 caused the supply of those papers to jump and then grow. These special issue initiatives have clearly affected the focus of research published in the *Journal of Financial Economics*.

Fig. 6B shows the citations in each year of 1974-91 to *JFE* papers in the major corporate finance areas. Citations to corporate finance papers grew rapidly after 1980, and there have been significant jumps in these citations

associated with the major corporate finance special issues of the *JFE* in 1983, 1986, 1988, and 1990. In 1990, corporate finance papers received over 1,000 citations. Papers in the Capital Structure (G32) and Corporate Control (G34) categories produced the largest number of citations among the corporate finance categories.

Through Volume 30 in 1991, about 50% of the papers published in the *JFE* are in the major capital markets categories, while about 35% of the papers are in the major corporate finance categories.

3.2. Authors

From 1974-91, 477 authors have contributed papers to the *Journal of Financial Economics*. These authors have written 516 papers. If each coauthor receives full credit for each paper, there are 881 author-papers (222 papers were written by single authors, 230 were by two authors, 58 were by three authors, five were by four authors, and one was by five authors). Table 5 lists the authors who have published the most papers in the *Journal of Financial Economics*, ranked by papers (where each of n coauthors receives $1/n$ credit for a paper). It also shows author-papers (giving each coauthor full credit for each paper) and the citations from the *SSCI* to papers written by these authors (giving each coauthor credit for $1/n$ of the citations). Henceforth, the term 'paper' means that n coauthors each receive $1/n$ of the credit, and the term 'author-paper' means that each coauthor receives full credit for each paper. Table 5 shows the total average citations per author per year for all papers written by the author, which adjusts for the age of different papers (a paper published in 1974 will have many years in which it could have received citations compared with a similar paper published in 1989).

Eugene Fama tops the list of *JFE* authors with eight papers and 11 author-papers. Michael Jensen's papers have received the most citations per author, both in total (788.5) and in terms of average citations per year (113.6). Richard Roll ranks second in both papers published and total citations per author. While the 73 authors listed in table 5 account for 223 papers, the 404 other authors account for 293 *JFE* papers.

Because table 5 is sorted by the number of papers, several authors whose papers are heavily cited are omitted. For example, if authors were sorted based on the citations per author per year to all papers written by the author, William Meckling would rank third with 70.8 citations per year (based on 0.5 papers), Stewart Myers would rank 12th with 42.4 citations per year (based on 1.5 papers), and Nicholas Majluf would rank 23rd with 26.9 citations per year (based on 0.5 papers).

Table 5
 Authors of *Journal of Financial Economics* Papers, Ranked by Papers Published, Volumes 1-30, 1974-91

Papers: each of n authors receives $1/n$ credit for a *JFE* paper. Author-papers: each coauthor receives full credit for each paper. The table also shows the total across all papers of the average citations per year from the *Social Science Citation Index* for each year since a paper was published, and the total number of citations to papers by this author. There are 477 authors who published 516 papers in the *JFE* from 1974-91.

Rank	Papers	Author-Papers	Author	Cites/Author/Year	Total Cites/Author	Rank	Papers	Author-Papers	Author	Cites/Author/Year	Total Cites/Author
1	8.00	11	Fama, E.F.	54.4	391.0	39	2.50	4	Barclay, M.J.	5.2	12.5
2	6.00	7	Roll, R.	51.8	570.0	39	2.50	4	Brennan, M.J.	7.5	43.5
3	5.67	8	Stulz, R.M.	29.2	162.7	39	2.50	3	Eckbo, B.E.	14.7	101.0
4	5.50	7	Ruback, R.S.	18.2	121.0	39	2.50	3	Harvey, C.R.	3.7	10.0
5	5.33	8	Smith, C.W.	61.0	461.8	39	2.50	4	Malatesta, P.H.	15.4	74.0
6	5.00	6	Constantinides, G.M.	13.0	96.5	39	2.50	4	Partch, M.M.	20.7	70.5
7	4.83	7	Stambaugh, R.F.	47.0	183.8	39	2.50	3	Richard, S.F.	10.6	91.5
8	4.50	5	Garman, M.B.	4.4	63.0	39	2.50	4	Schwartz, E.S.	7.2	61.5
9	4.33	7	French, K.R.	54.2	207.3	39	2.50	4	Verrecchia, R.E.	8.7	41.5
9	4.33	5	Long, J.B.	7.5	122.0	39	2.50	3	Williams, J.T.	23.1	184.5
11	4.00	6	Jensen, M.C.	113.6	788.5	49	2.33	4	Asquith, P.	37.1	168.0
11	4.00	5	Kaplan, S.N.	12.3	33.0	49	2.33	4	Bhagat, S.	5.7	27.5
13	3.92	9	McConnell, J.J.	23.3	83.2	49	2.33	3	Gilson, S.C.	6.2	11.3
14	3.83	6	Masulis, R.W.	54.8	365.8	49	2.33	4	Smith, A.J.	14.7	38.0
14	3.83	7	Mikkelson, W.H.	33.9	143.5	49	2.33	4	Thompson, R.	14.9	76.7

14	3.83	7	Warner, J.B.	93.5	461.7	54	2.17	4	Titman, S.	13.8	68.2
17	3.75	5	Keim, D.B.	37.4	237.0	55	2.00	3	Boyle, P.P.	3.5	32.0
18	3.50	4	Black, F.	24.4	335.5	55	2.00	2	Breeden, D.T.	21.1	248.0
18	3.50	7	DeAngelo, H.	46.8	194.0	55	2.00	4	Brown, S.J.	57.8	264.5
18	3.50	7	Mayers, D.	11.4	55.2	55	2.00	2	Charest, G.	6.3	88.0
18	3.50	4	Merton, R.C.	16.4	224.5	55	2.00	3	Dodd, P.	29.3	236.5
18	3.50	4	Pound, J.	4.0	14.5	55	2.00	3	Galai, D.	14.9	131.0
18	3.50	4	Reinganum, M.R.	26.1	259.5	55	2.00	3	Gibbons, M.R.	13.9	100.0
18	3.50	4	Shanken, J.	15.7	92.0	55	2.00	2	Hakansson, N.H.	0.8	14.0
25	3.33	5	Schwert, G.W.	40.1	215.3	55	2.00	4	Holderness, C.G.	7.9	21.0
26	3.25	4	Geske, R.	8.6	104.0	55	2.00	3	James, C.M.	7.5	34.5
27	3.08	7	Litzenberger, R.	16.5	69.0	55	2.00	4	Karpoft, J.M.	2.6	4.5
28	3.00	5	Bawa, V.S.	9.9	111.0	55	2.00	2	Lo, A.W.	0.7	4.0
28	3.00	3	Cornell, B.	8.0	109.0	55	2.00	2	Longstaff, F.A.	1.0	3.0
28	3.00	5	Kalay, A.	12.0	64.5	55	2.00	2	Morgan, I.G.	0.4	6.0
28	3.00	4	Whaley, R.E.	18.4	135.0	55	2.00	3	Poterba, J.M.	16.5	37.0
32	2.83	5	Dann, L.Y.	32.3	174.3	55	2.00	4	Raviv, A.	15.7	31.5
32	2.83	4	Wruck, K.H.	14.0	27.7	55	2.00	3	Rozeff, M.S.	9.1	81.0
32	2.83	4	Ingersoll, J.E.	16.4	117.2	55	2.00	4	Scholes, M.S.	31.5	247.0
32	2.83	8	Kim, E.H.	30.6	75.3	55	2.00	2	Wheatley, S.M.	2.7	10.0
36	2.67	5	Brickley, J.A.	12.8	37.8	293	2.93	547	All Others	1,383	6,473
36	2.67	6	Walking, R.A.	12.6	24.2	516	5.16	881	Total	2,949	16,231
36	2.67	5	Ross, S.A.	27.1	153.2						

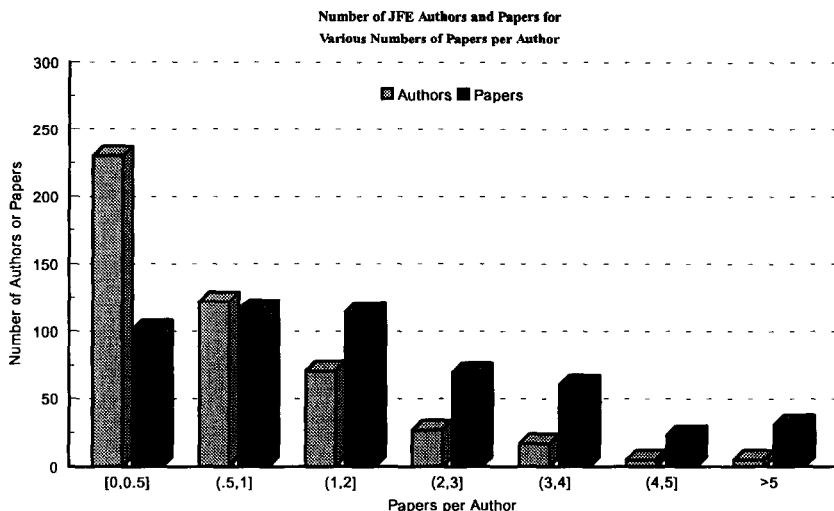


Fig. 7A. Frequency distributions of number of *JFE* Authors and number of *JFE* Papers for various numbers of Papers per Author. In calculating the number of Papers per Author, each of n coauthors of a Paper is credited with $1/n$ Paper. The notation (4,5] denotes more than 4 and less than or equal to 5 Papers per Author. The universe consists of 477 Authors, 516 Papers, and 881 Author-Papers (where each coauthor receives full credit) from Volumes 1-30 in the period 1974-91.

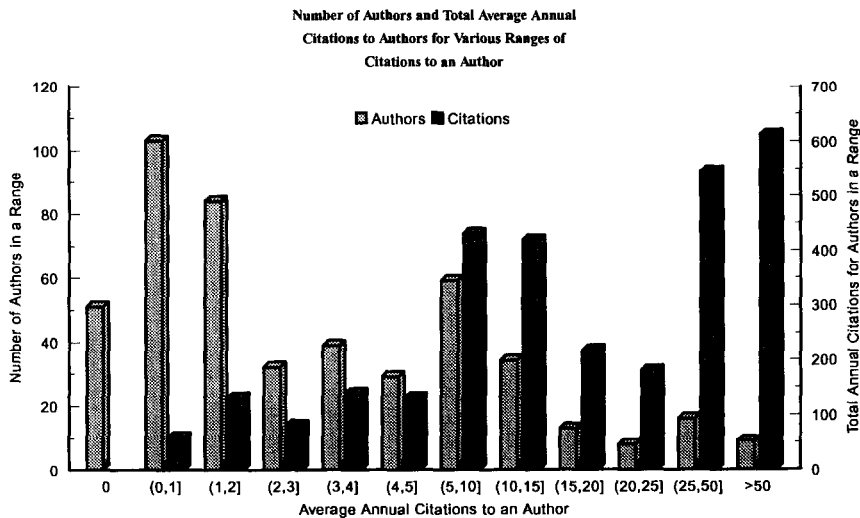


Fig. 7B. Frequency distributions of number of Authors and total number of Average Annual Citations to *JFE* Authors (all Papers by an Author) for various numbers of Average Annual Citations to an Author. In calculating the number of Citations per Author, each of n coauthors of a Paper is credited with $1/n$ Citations. The notation (5,10] denotes more than 5 and less than or equal to 10 Average Annual Citations per Author. The universe consists of 477 Authors and 2,949 Average Annual *SSCI* Citations for Volumes 1-30 in the period 1974-91. The median Average Annual Citations per Author is 2.1 and the mean is 6.2.

Fig. 7A shows the distribution of the number of papers per author for the 477 *JFE* authors, as well as the number of papers represented by each group. For example, 230 authors have written no more than 0.5 *JFE* papers each, and this represents 101 *JFE* papers. Five authors have written more than five *JFE* papers each, representing 31 papers.

Fig. 7B shows the distribution of average annual citations to *JFE* papers by a given author and the number of citations per year represented by each group. There are 50 authors with no citations, and another 103 receive one or less average citations per year. Nine authors receive over 50 average citations per year to their *JFE* papers, and these authors account for 612 citations per year. Using average citations per year is intended to adjust for the different ages of *JFE* papers, but this measure is imperfect. Most of the papers published in 1989 through 1991 have received few, if any, citations because of publication and data collection lags. There are only two *JFE* papers published before 1989 that have received no citations through 1991.

Fig. 8 shows a time series plot of the average citations per year to volumes published in each year from 1974-91, adjusted to an average volume with 420 pages. To provide a comparison, fig. 8 also shows the average citations per year to volumes from 1974-81 using citations from 1974-81. After 1975, this line is much lower than the level of average citations based on 1974-91 data. The 1974-81 citation data show that even highly-cited papers do not achieve their peak level of citation until several years after publication.

In sum, while a few authors have contributed greatly to the success of the *Journal of Financial Economics* as measured by published papers and (especially) by citations, the number and variety of *JFE* authors is large.

3.3. Institutions

The 477 *JFE* authors have been affiliated with 136 institutions, as determined by the information published on the title page of the article, not the author's current institution. Table 6 lists the institutions that have published the most papers in the *Journal of Financial Economics*, ranked by the number of papers (where each of n coauthors receives $1/n$ credit for a paper). It also shows author-papers (giving each coauthor full credit) and the average citations per year from the *SSCI* to papers written by these authors (giving each coauthor credit for $1/n$ of the citations). Finally, table 6 shows the total citations per author for all papers written by authors at this institution.

The Universities of Chicago and Rochester top the list of affiliations of *JFE* authors with 52.5 and 45.2 papers, respectively. Together, they represent 19% of the 516 *JFE* papers. Rochester and Chicago papers also receive the most

Table 6

Institutions of Authors of *Journal of Financial Economics* Papers, Ranked by Papers Published, Volumes 1-30, 1974-91

Papers: each of n authors receives $1/n$ credit for a *JFE* paper. Author-papers: each author receives full credit for each paper. The table also shows the total across papers of the average number of citations per year per author from the *Social Science Citation Index* for papers written at this institution, and the total across all papers of the citations per paper per author. There are 136 institutions with authors publishing *JFE* papers from 1974-91.

Rank	Papers	Author-Papers	Institution	Average Citations/Year	Total Citations	Rank	Papers	Author-Papers	Institution	Average Citations/Year	Total Citations
1	52.50	87	U. Chicago	222.3	2093.7	36	2.83	5	Hebrew U.	8.3	123.8
2	45.17	69	U. Rochester	311.5	3415.8	36	2.83	4	U. Arizona	6.6	89.0
3	24.08	38	Massachusetts Inst. Tech.	100.9	1129.8	36	2.83	7	U. Georgia	3.0	10.0
3	24.08	37	U. Cal. (Los Angeles)	107.8	1214.8	39	2.67	5	U. Minnesota	2.3	17.8
5	21.50	30	Harvard U.	72.5	417.2	40	2.50	4	U. Texas (Dallas)	3.0	20.5
6	20.42	32	U. Pennsylvania	74.1	540.7	41	2.33	4	Washington U.(St Louis)	2.7	13.0
7	15.83	20	U. Cal. (Berkeley)	29.2	342.5	41	2.33	5	U. Alberta	9.5	66.8
8	14.20	26	New York U.	23.2	164.0	43	2.17	5	Louisiana State U.	0.2	1.0
9	14.00	26	Ohio State U.	30.8	144.7	44	2.00	3	McMaster U.	6.9	64.0
10	12.17	19	U. British Columbia	40.5	393.8	44	2.00	3	Michigan State U.	2.7	28.0
11	12.00	22	Stanford U.	53.2	606.5	44	2.00	2	Natl Bur. Econ. Res.	2.6	24.0
12	11.83	22	U. Michigan	42.7	256.5	44	2.00	2	Oklahoma State U.	0.9	14.0
13	11.33	19	U. Oregon	54.0	371.8	44	2.00	3	U. Kentucky	1.0	17.0

14	10.50	15	Carnegie-Mellon U.	37.6	465.5	49	1.83	3	Princeton U.	10.4	53.3
15	10.33	17	Northwestern U.	46.9	368.2	49	1.83	3	State U. New York	4.2	61.3
16	9.00	17	Bell Labs	26.1	347.5	49	1.83	6	U. Connecticut	0.5	2.0
17	8.83	18	U. Utah	14.7	106.0	49	1.83	3	U. Massachusetts	2.8	22.0
18	8.67	15	U. Washington (Seattle)	20.2	132.8	53	1.70	4	INSEAD	1.5	8.8
19	7.50	11	U. Southern Cal.	43.0	413.0	54	1.67	3	Federal Reserve Board	2.7	5.7
20	6.50	10	U. Iowa	18.1	205.0	54	1.67	4	U. North Carolina	1.8	10.3
21	6.33	11	Cornell U.	16.5	131.0	54	1.67	4	U. Virginia	3.4	22.8
22	5.92	14	Purdue U.	13.5	102.8	57	1.58	3	Texas Christian U.	1.0	7.3
23	5.50	8	Vanderbilt U.	20.7	199.5	57	1.58	3	Tulane U.	3.2	9.8
23	5.50	11	Yale U.	39.1	367.0	59	1.53	4	Rutgers U.	4.5	67.1
25	4.83	9	Columbia U.	6.9	27.5	60	1.50	3	Alcar Group	5.5	26.5
26	4.73	8	Duke U.	9.3	53.4	60	1.50	2	Baruch College	5.5	26.5
27	4.67	10	Georgia State U.	6.4	68.0	60	1.50	2	Brown U.	1.9	13.0
28	4.58	10	Southern Methodist U.	9.3	59.8	60	1.50	4	Florida State U.	1.2	9.5
29	4.50	9	U. Texas (Austin)	6.4	18.7	60	1.50	4	Indiana U.	1.4	11.7
30	3.83	6	London Business School	15.3	174.8	60	1.50	2	Simon Fraser U.	1.2	11.0
31	3.67	7	U. Florida	14.2	101.0	60	1.50	2	U. Houston	1.6	24.0
32	3.50	6	Boston College	1.2	3.0	67	1.33	3	Arizona State U.	4.0	24.0
32	3.50	4	Laval U.	6.6	94.0	67	1.33	3	Secur. Exch. Com.	4.9	21.8
34	3.17	6	Dartmouth College	7.5	78.0		45.75	88	All Others	157.1	609.3
34	3.17	7	Tel Aviv U.	11.8	85.7		516	881	Total	2,949	16,231

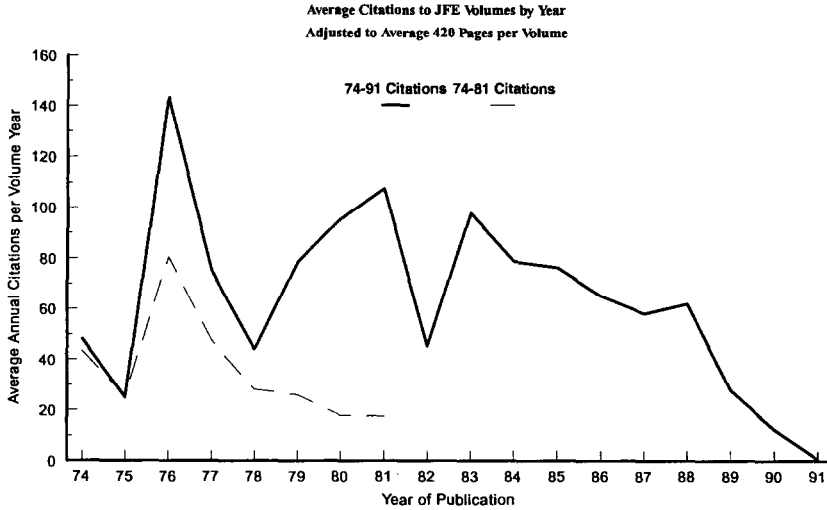


Fig. 8. Average Annual Citations to Standard Length (420 page) *JFE* Volumes by Year of Publication, 1974-91. The lighter, dashed line shows Average Annual Citations based on citations from 1974-81 to show that it takes several years for *JFE* papers to reach their long-run average level of citation. Thus, after five years the average citation rate to recent *JFE* volumes should rise substantially.

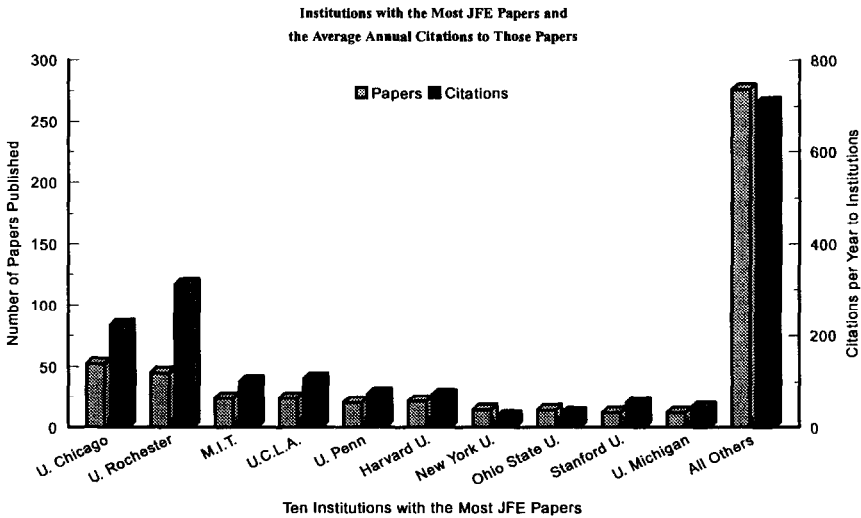


Fig. 9. Ten Institutions with the most *JFE* Papers and the Average Annual Citations to these Papers in the period 1974-91. 'Others' represents the remaining 126 Institutions whose authors have published *JFE* Papers. In calculating the number of Papers and the number of Citations, each of n coauthors of a Paper receives $1/n$ credit. The universe consists of 477 Authors at 136 Institutions who wrote 516 Papers that received 2,949 Average Annual Citations.

citations, with 310 and 220 average citations per year, respectively, representing 30.6% of the average annual citations to the *JFE*. The 68 institutions with one or less *JFE* papers are grouped together and labeled 'all others' in table 6. They represent 45.75 papers, or 8.9%, and 157.1 average citations per author per year, or 5.4%.

Fig. 9 shows the papers published and average citations for the top ten institutions from table 6 as well as the remaining 126 institutions with *JFE* publications. Most of the schools with large proportions of papers have even larger proportions of citations, consistent with the hypothesis that the *JFE* editorial process applies higher standards to papers from leading institutions, particularly Rochester and Chicago. (Alternatively, authors from these schools may self-select their better papers to submit to the *Journal of Financial Economics*.) It is also possible that citation patterns differ systematically by type of paper (empirical versus theoretical) and by the reputation of the author, causing other factors to influence citation patterns.

3.4. Papers

Table 7 lists the 36 papers published in the *JFE* that have received ten or more average citations per year since publication. The table also shows the authors and the total number of citations. Finally, it shows the average number of citations per year to the paper adjusted for length (multiplying the average citations to the paper by the average number of pages in *JFE* papers (23.9), then dividing by the length of the paper). Appendix A at the end of the paper lists the remaining 408 papers published through 1989. The papers published in 1990 and 1991 are not included since they appeared so late that few of them have received any citations yet.

The Jensen and Meckling (1976) agency cost paper has the largest citation rate and the highest total citations by a large margin. Even on a length-adjusted basis, this paper receives the most citations of all *JFE* papers (although the Banz (1981) size effect paper is close on a length-adjusted basis). The survey papers published at the front of *JFE* special issues are among the most highly cited papers: Jensen and Ruback (1983) is second, Smith (1986) is tenth, Smith (1976) is 47th, and Schwert (1983) is 78th. Several highly-cited papers are methodological, including third-ranked Brown and Warner (1985), fifth-ranked Roll (1977), sixth-ranked Brown and Warner (1980), and seventh-ranked Scholes and Williams (1977). In general, there is a good mix of methods, topics, and authors represented in this list of highly-cited papers.

Table 7
 Papers Published in the *Journal of Financial Economics*, 1974-89, Ranked by Average Citations per Year in the *Social Science Citation Index*,
 for Papers with Ten or More Average Citations per Year.

The table also shows the authors, title, volume, publication year, total citations since the paper was published, and the average number of citations per year adjusted for length (multiplying the average citations to the paper by the average number of pages in *JFE* papers, 24, then dividing by the length of this paper).

Rank	Authors	Paper	Volume	Year	Total Citations	Average Citations/Year	Citations/Year/24 Pages
1	Jensen, M.C., Meckling, W.H.	Theory of the firm: Managerial behavior, agency costs and ownership structure	3	76	1132	70.8	30.1
2	Jensen, M.C., Ruback, R.S.	The market for corporate control: The scientific evidence	11	83	286	31.8	16.5
3	Brown, S.J., Warner, J.B.	Using daily stock returns: The case of event studies	14	85	202	28.9	22.9
4	Myers, S.C., Majluf, S.	Corporate financing and investment decisions when firms have information that investors do not have	13	84	215	26.9	17.8
5	Roll, R.	A critique of the asset pricing theory's tests: Part I: On past and potential testability of the theory	4	77	377	25.1	12.5
6	Brown, S.J., Warner, J.B.	Measuring security price performance	8	80	290	24.2	10.7
7	Scholes, M.S., Williams, J.	Estimating betas from nonsynchronous data	5	77	317	21.1	25.2
8	Keim, D.B.	Size-related anomalies and stock return seasonality: Further empirical evidence	12	83	178	19.8	23.6
9	Banz, R.W.	The relationship between return and market value of common stocks	9	81	213	19.4	28.9
10	Smith, C.W.	Investment banking and the capital acquisition process	15	86	107	17.8	15.2
11	French, K.R., Schwert, G.W.	Expected stock returns and volatility	19	87	88	17.6	15.0
	Stambaugh, R.F.						
12	Breeden, D.T.	An intertemporal asset pricing model with stochastic consumption and investment opportunities	7	79	226	17.4	13.0
13	Asquith, P., Mullins, D.W.	Equity issues and offering dilution	15	86	102	17.0	13.5
14	Smith, C.W., Warner, J.B.	On financial contracting: An analysis of bond covenants	7	79	211	16.2	8.4
15	Reinganum, M.R.	Misspecification of capital asset pricing: Empirical anomalies based on earnings' yields and market values	9	81	176	16.0	13.6
16	DeAngelo, H., Masulis, R.W.	Optimal capital structure under corporate and personal taxation	8	80	190	15.8	13.5

17	Myers, S.C.	Determinants of corporate borrowing	5	77	233	15.5	12.4
18	Poterba, J.M., Summers, L.H.	Mean reversion in stock prices: Evidence and implications	22	88	62	15.5	10.9
19	French, K.R., Roll, R.	Stock return variances: The arrival of information and the reaction of traders	17	86	81	13.5	14.6
20	Fama, E.F., Schwert, G.W.	Asset returns and inflation	5	77	193	12.9	9.6
21	Mikkelson, W.H., Parrish, M.M.	Valuation effects of security offerings and the issuance process	15	86	74	12.3	9.8
22	Galai, D., Masulis, R.W.	The option pricing model and the risk factor of stock	3	76	193	12.1	9.6
23	Mandelker, G.	Risk and return: The case of merging firms	1	74	209	11.6	8.1
24	Black, F.	The pricing of commodity contracts	3	76	184	11.5	21.1
25	Sulz, R.M.	Managerial control of voting rights: Financing policies and the market for corporate control	20	88	45	11.3	8.9
25	Bradley, M., Desai, A., Kim, E.H.	Synergistic gains from corporate acquisitions and their division between the stockholders of target and acquiring firms	21	88	45	11.3	7.1
27	Dinson, E.	Risk measurement when shares are subject to infrequent trading	7	79	146	11.2	8.9
28	Dodd, P.	On corporate governance: A study of proxy contests	11	83	100	11.1	7.0
29	Warner, J.B.	Merger proposals, management discretion and stockholder wealth	8	80	133	11.1	7.8
30	Cox, J.C., Ross, S.A.	The valuation of options for alternative stochastic processes	3	76	172	10.8	11.7
30	Morek, R., Shleifer, A., Vishny, R.W.	Management ownership and market valuation: An empirical analysis	20	88	43	10.8	10.7
32	Masulis, R.W., Korwar, A.	Seasoned equity offerings: An empirical investigation	15	86	64	10.7	9.1
33	Glosten, L.R., Milgrom, P.R.	Bid, ask and transaction prices in a specialist market with heterogeneously informed traders	14	85	74	10.6	8.4
34	Asquith, P.	Merger bids, uncertainty, and stockholder returns	11	83	94	10.4	7.3
35	Masulis, R.W.	The effects of capital structure change on security prices: A study of exchange offers	8	80	122	10.2	6.1
35	Rock, K.	Why new issues are underpriced	15	86	61	10.2	9.3
37	Fama, E.F., French, K.R.	Dividend yields and expected stock returns	22	88	40	10.0	9.9

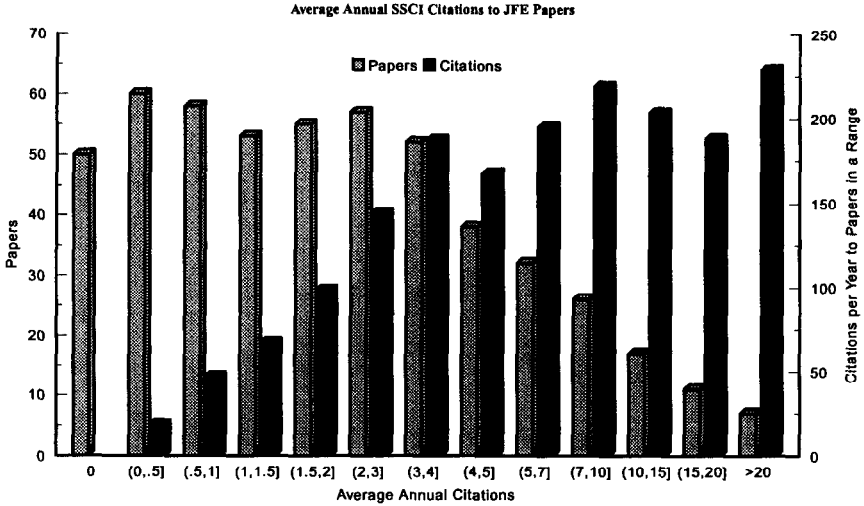


Fig. 10. Frequency distributions of number of Papers and total number of Average Annual Citations to *JFE* Papers for various numbers of Average Annual Citations to a Paper. The notation (4,5] denotes more than 4 and less than or equal to 5 Average Annual Citations per Paper. The universe consists of 516 Papers and 2,949 Average Annual *SSCI* Citations for Volumes 1-30 in the period 1974-91. The median Average Annual Citations per Paper is 1.9 and the mean is 3.4.

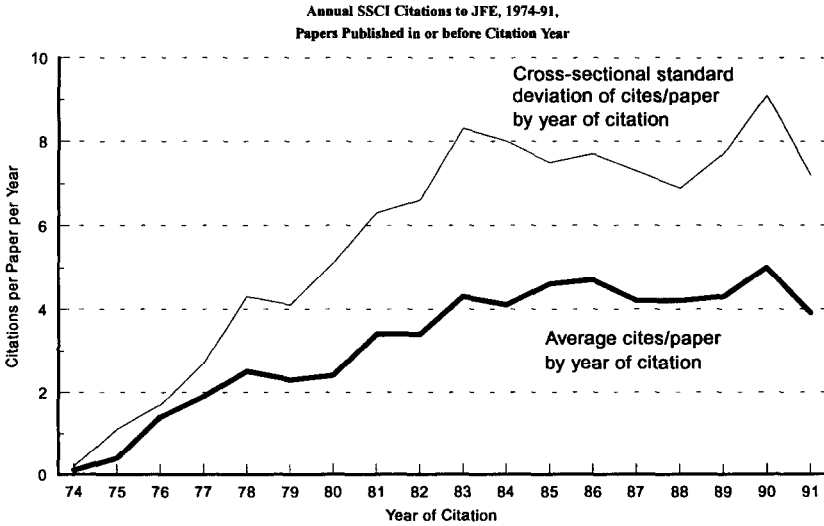


Fig. 11. Cross-sectional average and standard deviation of Citations per Paper by Year of Publication, in the period 1974-91, for all Papers published in or before the Year of Citation.

Fig. 10 shows the distribution of average citations per year to *JFE* papers as well as the number of citations per year attributable to each group. There are about 50 papers in each of the following ranges of citations per year: 0, (0.5], (0.5,1], (1,1.5], (1.5,2], (2,3], and (3,4]. Together these approximately 350 papers account for about 575 citations per year. On the upper end of the distribution, there are 18 papers with over 15 citations per year. These papers account for 417 citations per year. Thus, a small proportion of *JFE* papers account for a large proportion of the citations to the *Journal*.

Fig. 11 shows the cross-sectional average and standard deviation of the number of citations per *JFE* article for each year from 1974-91. Both the average and the standard deviation rose steadily from 1974-83 and have been relatively stable since then. This reflects the maturation of the *Journal*, whereby the addition of new papers which receive fewer citations is offset by older papers that receive larger numbers of citations, as well as older papers whose citations decay as new research areas become popular. The fact that the standard deviation is almost twice as large as the average is another indication that the distribution of citations is positively skewed (a few papers receive many citations, while many papers receive few).

3.5. Regression analysis of citations to *JFE* papers

As a final method of analyzing the characteristics of papers with larger citation rates, table 8 contains estimates of a regression model explaining the average number of citations per year for each of the 516 papers published during 1974-91 in the *Journal of Financial Economics*. To reflect the heteroskedasticity in the regression errors, White (1980) standard errors are reported. Several variables are significant in explaining the pattern of average citations to *JFE* papers. As a sensitivity check, the model is also estimated omitting variables with t-statistics less than 1.5 in absolute value. These estimates are reported in the right-hand columns of table 8.

The age of the paper in years (AGE) adds 0.14 citation per year to the overall average of 3.42 citations per year. The t-statistic of 2.19 shows that the effect of age is reliably greater than zero, reflecting an increase in citations as a paper becomes better known. Of course, when the literature matures, citations to very old papers decline, although this effect has apparently not been strong enough to offset the startup phenomenon for *JFE* papers.

⁴The notation '(' refers to the bottom of an interval excluding the end-point, the notation '[' refers to the bottom of an interval including the end-point, and likewise for ')' and ']'.

As mentioned earlier, the *JFE* has been late in publishing its recent issues. The coefficient for LATE in table 8 says that average citations per year are 3.34 lower for papers published a year later than the nominal publication date (the t-statistic is -3.85).

Longer papers should contain more citable material if the authors, referees, and editors are doing their jobs. The coefficient of LTH in table 8 is 0.14, with a t-statistic of 3.04. So a paper ten pages longer than the average paper (which is 24 pages long) would receive 1.4 extra citations per year. Average citations per page are about equal, holding the other variables in the regression constant (an extra 24 pages would yield an additional 3.36 citations per year).

Fig. 9 shows that papers published by authors from the Universities of Chicago and Rochester receive more citations per paper, so the model in table 8 includes dummy variables if the paper had either a Chicago or Rochester author. The coefficient for Chicago authors (UC) is positive (0.45), but not reliably greater than zero (t-statistic of 0.63). The coefficient for Rochester authors (UR) is larger (2.76), and the t-statistic is 1.85. The number of authors (ATH) has a coefficient of 0.37, with a t-statistic of 1.50, suggesting that coauthored papers may receive more citations. The capital markets variable (CAPMKT) and the corporate finance & governance (CORPFIN) variables all have positive coefficients, but none are reliably greater than zero, with t-statistics well below 1.5 in absolute value.

If the paper is part of a *JFE* special issue (shown in table 3), it receives 2.66 more citations per year, on average. This coefficient estimate is reliably positive, since the t-statistic is 3.62. On the other hand, clinical papers (CL) receive 1.06 fewer citations per year, with a t-statistic of -1.75.

Finally, the editors of the *Journal of Financial Economics* have always arranged the papers appearing in a given issue according to their perceptions of the quality or importance of the papers. (Exceptions to this policy occur with symposium issues, in which papers are grouped by topic, or clinical papers; within each group of papers, we choose ordering based on quality or importance.) Table 8 contains three variables intended to measure this ordering. FST equals one if a paper is the first article in an issue, SEC equals one if a paper is the second article in an issue, and ORD is the order of the paper in the issue (from 1 to N). The estimates in table 8 show that lead articles receive 2.59 more citations on average (t-statistic of 3.39), second articles receive 1.23 more citations on average (t-statistic of 1.68), and papers placed later in the issue receive fewer citations, but this latter effect is not reliably different from zero (t-statistic of -0.12). Thus, it appears that the *JFE* editors have been able to identify papers that will receive more citations and put them at the beginning of issues, but it is not clear that ordering after the first two papers contains much information about prospective citation rates.

Table 8

Regression Model for Average Citations per Paper per Year to *JFE* Papers Published during 1974-91, Volumes 1-30

Explanatory variables include: AGE is the age of the paper in years, LATE is the lateness in years of publication of the issue containing that paper, LTH is the length of the paper in pages, UC equals $1/n$ if a University of Chicago author was one of n authors of the paper, UR equals $1/n$ if a University of Rochester author was one of n authors of the paper, ATH is the number of authors of this paper, CAPMKT equals one if the topic is in the capital markets area, CORPFIN equals one if the topic is in the corporate finance & governance area, SPEC equals one if the paper is included in a special issue of the *JFE*, CL equals one if the paper is in the Clinical Papers section of the *JFE*, FST equals one if the paper appears first in its issue, SEC equals one if the paper appears second in its issue, and ORD is the order of the paper in its issue. All variables are measured as deviations from means, so the constant term in the regression is the unconditional average number of citations per year to *JFE* papers. \bar{R}^2 is the coefficient of determination adjusted for degrees of freedom and the Standard Error of the Estimate is the standard deviation of the regression residuals. White (1980) standard errors are reported to reflect the heteroskedasticity in the regression errors.

\bar{R}^2		0.2546				0.2529
Standard Error of Estimate		4.536				4.523
Variable	Coefficient	Std Error	T-Statistic	Coefficient	Std Error	T-Statistic
Constant	3.417	0.197	17.35	3.417	0.197	17.33
AGE	0.142	0.065	2.19	0.135	0.056	2.40
LATE	-3.339	0.867	-3.85	-3.247	0.850	-3.82
LTH	0.143	0.047	3.04	0.144	0.047	3.08
UC	0.450	0.714	0.63			
UR	2.753	1.487	1.85	2.690	1.524	1.77
ATH	0.367	0.245	1.50	0.380	0.254	1.49
CAPMKT	0.340	0.436	0.78			
CORPFIN	0.643	0.539	1.19			
SPEC	2.664	0.736	3.62	2.731	0.575	4.75
CL	-1.057	0.604	-1.75	-1.030	0.623	-1.65
FST	2.592	0.764	3.39	2.685	0.654	4.10
SEC	1.227	0.730	1.68	1.303	0.729	1.79
ORD	-0.008	0.069	-0.12			

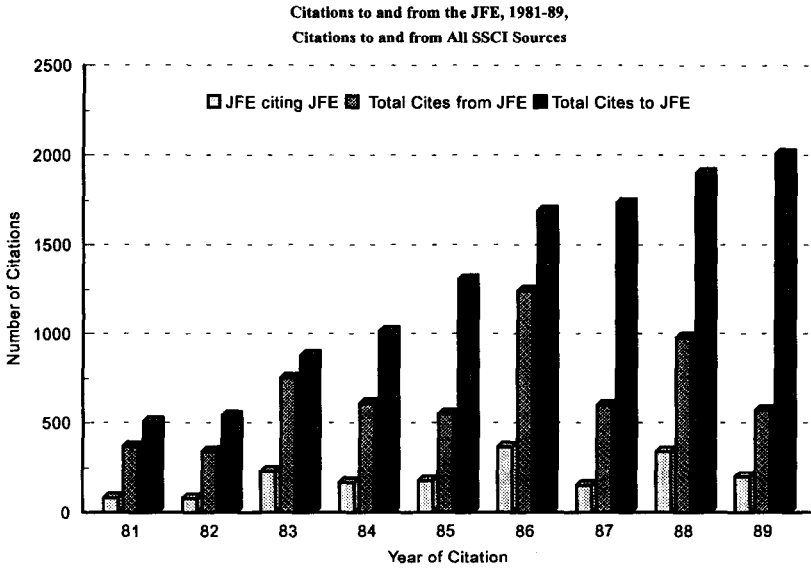


Fig. 12. Citations to the *JFE* from the *JFE*, Citations from the *JFE* to all other journals, and Citations from all *SSCI* sources to the *JFE* in the period 1981-89.

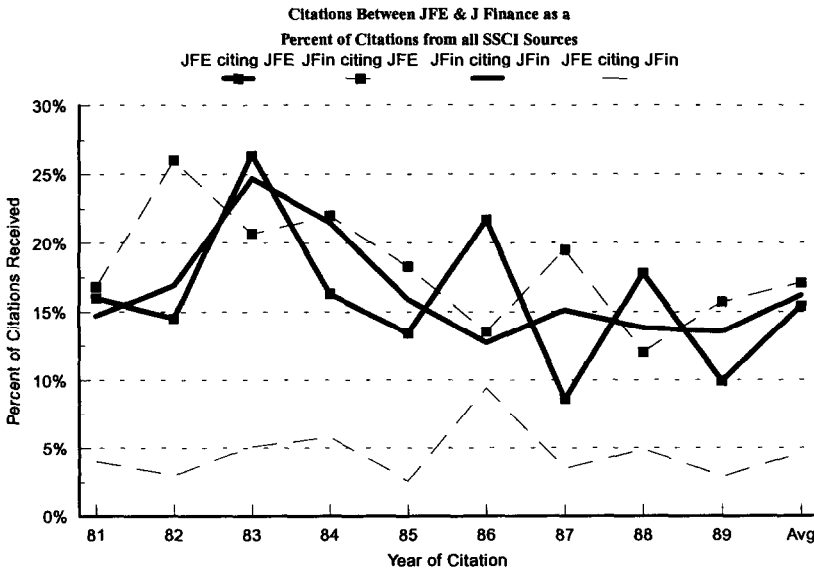


Fig. 13. Citations to the *JFE* from the *JFE*, to the *JFE* from the *Journal of Finance (JFin)*, to the *JFin* from the *JFin*, and to the *JFin* from the *JFE* in the period 1981-89, and the Average (Avg) for the period, all expressed as a percentage of the Citations Received by the respective *Journals* from all *SSCI* sources.

3.6. Citation patterns across journals

Another question that naturally arises in judging the high citation rate for *Journal of Financial Economics* papers is whether *JFE* papers have an unusual propensity to cite past *JFE* papers, which could occur for many reasons, including specialization of the literature or preferences of editors, referees, and authors. Fig. 12 shows the total number of citations of past *JFE* papers by current *JFE* papers for each year from 1981-89. These data are from different issues of the *SSCI Journal Citation Reports*. Fig. 12 also shows the total number of citations from *JFE* papers each year and the total number of citations to *JFE* papers from all *SSCI* sources. It is clear from this figure that self-citations do not account for the high rate of citations to *JFE* papers. Moreover, fig. 12 also shows that total citations to *JFE* papers have grown much faster than the number of citations from current *JFE* papers.

Fig. 13 provides a comparison of cross-citation rates with the *Journal of Finance*. It shows the rates of self- and cross-citation between the *Journal of Financial Economics* and the *Journal of Finance*, each expressed as a percentage of the total citations received in a given year of 1981-89. About 15% of the citations to the *JFE* come from the *JFE* and another 15% come from the *Journal of Finance*; thus, about 70% of *JFE* citations come from other journals. By comparison, about 15% of the citations to the *Journal of Finance* come from the *Journal of Finance*, and another 5% come from the *JFE*, leaving 80% to come from other journals.

Taken together, these figures show that the high rate of citations to papers in the *Journal of Financial Economics* is not under control of the authors, editors, or referees of the *Journal*.

4. Summary

Financial economics has grown and flourished in the past three decades, as reflected in part by several recent Nobel Prizes in Economics. Distinguishing between luck and skill when there is only one set of observations to evaluate is similar to asking whether Warren Buffett has extraordinary money management skills, and judging the success of the *JFE* is no exception. Nevertheless, when compared with other journals specializing in finance, the *Journal of Financial Economics* has been very successful during its first 18 years. The variety of published papers, their impact on the literature as reflected in citations, and the people who have been associated with the *Journal* as authors, referees, associate editors, and editors is tangible evidence of this success. The editors want to thank all those who have contributed their time, effort, and creative talent to this endeavor.

References

- Hamermesh, Daniel S., 1992, The young economist's guide to professional etiquette, *Journal of Economic Perspectives* 6, 169-179.
- Journal of Financial Economics*, 1974-91, 1-30.
- Leamer, Edward E., 1981, The hit parade of economics articles, *Comparative Economic Systems, Exams, Puzzles, and Problems* 14, 3-54.
- McCloskey, Donald, 1985, Economical writing, *Economic Inquiry* 24, 187-222.
- Social Science Citation Index*, 1974-91.
- Twain, Mark, 1962, Cooper's prose style, in: Bernard DeVoto, ed., *Letters from the earth* (Harper & Row, New York, NY) 117-124.
- White, Halbert, 1980, A heteroskedasticity-consistent covariance matrix estimator and a direct test for heteroskedasticity, *Econometrica* 48, 817-838.
- Wydick, Richard T., 1978, Plain English for lawyers, *California Law Review* 66, 727-761.
- Zimmerman, Jerold L., 1989, Improving a manuscript's readability and likelihood of publication, *Issues in Accounting Education* 4, 458-466.

Table A1
 Papers Published in the *Journal of Financial Economics*, 1974-89, Ranked by Average Citations per Year in the *Social Science Citation Index*,
 for Papers with Less than Ten Average Citations per Year.

The table also shows the authors, title, volume, publication year, total citations since the paper was published, and the average number of citations per year adjusted for length (multiplying the average citations to the paper by the average number of pages in *JFE* papers, 24, then dividing by the length of this paper).

Rank	Authors	Paper	Volume	Year	Total Citations	Average Citations/Year	Citations/Year/24 Pages
38	Harris, M., Raviy, A.	Corporate control contests and capital structure	20	88	37	9.3	6.9
38	Dann, L.Y., DeAngelo, H.	Corporate financial policy and corporate control: A study of defensive adjustments in asset and ownership structure	20	88	37	9.3	5.3
40	Vermaelen, T.	Common stock repurchases and market signalling: An empirical study	9	81	99	9.0	4.7
41	Reinganum, M.R.	The anomalous stock market behavior of small firms in January: Empirical tests for tax-loss selling effects	12	83	80	8.9	13.3
42	Fama, E.F.	The information in the term structure	13	84	71	8.9	10.6
43	Blask, F., Scholes, M.S.	The effects of dividend yield and dividend policy on common stock prices and returns	1	74	159	8.8	9.6
44	Cox, J.C., Ross, S.A., Rubinstein, M.	Option pricing: A simplified approach	7	79	111	8.5	5.7
45	Kerm, D.B., Stambaugh, R.F.	Predicting returns in the stock and bond markets	17	86	51	8.5	6.0
46	Dann, L.Y.	Common stock repurchases: An analysis of returns to bondholders and stockholders	9	81	91	8.3	7.6
47	Smith, C.W.	Option pricing: A review	3	76	131	8.2	3.9
48	Stoll, H.R., Whaley, R.E.	Transaction costs and the small firm effect	12	83	73	8.1	8.1
49	Gibbons, M.R.	Multivariate tests of financial models: A new approach	10	82	80	8.0	7.3
50	Harris, L.E.	A transaction data study of weekly and intraday patterns in stock returns	16	86	48	8.0	9.5
50	Kaplan, S.N.	The effects of management buyouts on operating performance and value	24	89	24	8.0	5.0
52	Campbell, J.Y.	Stock returns and the term structure	18	87	39	7.8	6.6
53	Shanken, J.	Multivariate tests of the zero-beta CAPM	14	85	54	7.7	8.4
54	DeAngelo, H., Rice, E.M.	Antitakeover charter amendments and stockholder wealth	11	83	69	7.7	5.7
55	Cox, J.C., Ingersoll, J.E., Ross, S.A.	The relation between forward prices and futures prices	9	81	83	7.5	6.9
55	Stulz, R.M.	A model of international asset pricing	9	81	83	7.5	7.5

Table A1 (continued)

Rank	Authors	Paper	Volume	Year	Total Citations	Average Citations/ Year	Citations/ Year/ 24 Pages
57	French, K.R.	Stock returns and the weekend effect	8	80	89	7.4	11.1
58	Jarell, G.A., Foulsen, A.B.	Shark repellents and stock prices: The effects of antitakeover amendments since 1980	19	87	37	7.4	4.2
59	Bradley, M., Desai, A., Kim, E.H.	The rationale behind interfirm tender offers: Information or synergy?	11	83	66	7.3	7.3
59	Blume, M.E., Stambaugh, R.F.	Biases in computed returns: An application to the size effect	12	83	66	7.3	9.7
61	Eckbo, B.E.	Valuation effects of corporate debt offerings	15	86	43	7.2	5.0
62	Dodd, P., Ruback, R.S.	Tender offers and stockholder returns: An empirical analysis	5	77	107	7.1	12.2
63	Stambaugh, R.F.	On the exclusion of assets from tests of the two-parameter model: A sensitivity analysis	10	82	71	7.1	5.3
64	Richard, S.F., Sundaresan, S.M.	A continuous time equilibrium model of forward prices and futures prices in a multigood economy	9	81	77	7.0	6.4
65	Merton, R.C.	On estimating the expected return on the market: An exploratory investigation	8	80	82	6.8	4.1
66	Grauer, F.L.A., Litzenberger, R., Stehle, R.E.	Sharing rules and equilibrium in an international capital market under uncertainty	3	76	108	6.8	6.7
67	Asquith, P., Bruner, R.F., Mullins, D.W.	The gains to bidding firms from merger	11	83	60	6.7	8.0
67	Linn, S.C., McConnell, J.J.	An empirical investigation of the impact of 'antitakeover' amendments on common stock prices	11	83	60	6.7	4.0
69	Merton, R.C.	Option pricing when underlying stock returns are discontinuous	3	76	106	6.6	7.9
69	Dam, L.Y., Mikkelson, W.H.	Convertible debt issuance, capital structure change and financing-related information: Some new evidence	13	84	53	6.6	5.3
71	Langsette, T.C.	An application of a three-factor performance index to measure stockholder gains from merger	6	78	92	6.6	7.8
72	Warner, J.B., Watts, R.L., Wruck, K.H.	Stock prices and top management changes	20	88	26	6.5	4.8
73	Brown, P., Kletdon, A.W., Marsh, T.A.	New evidence on the nature of size-related anomalies in stock prices	12	83	58	6.4	6.4

74	Schipper, K., Thompson, R.	Evidence on the capitalized value of merger activity for acquiring firms	11	83	57	6.3	4.2
74	Amihud, Y., Mendelson, H.	Asset pricing and the bid-ask spread	17	86	38	6.3	5.4
76	Phillips, S.M., Smith, C.W.	Trading costs for listed options: The implications for market efficiency	8	80	75	6.3	6.5
76	Weisbach, M.S.	Outside directors and CEO turnover	20	88	25	6.3	5.0
78	Eckbo, B.E.	Horizontal mergers, collusion, and stockholder wealth	11	83	56	6.2	4.4
78	Schwert, G.W.	Size and stock returns, and other empirical regularities	12	83	56	6.2	14.8
80	Beatty, R.P., Ritter, J.R.	Investment banking, reputation, and the underpricing of initial public offerings	15	86	37	6.2	7.4
81	Basu, S.	The relationship between earnings' yield, market value and return for NYSE common stocks: Further evidence	12	83	55	6.1	5.2
82	James, C.M.	Some evidence on the uniqueness of bank loans	19	87	30	6.0	7.2
82	Ryngaert, M.	The effect of poison pill securities on shareholder wealth	20	88	24	6.0	3.4
82	Marais, L., Schipper, K., Smith, A.	Wealth effects of going private for senior securities	23	89	18	6.0	3.9
85	Constantinides, G.M.	Optimal stock trading with personal taxes: Implications for prices and the abnormal January returns	13	84	47	5.9	5.4
86	Eades, K.M., Hess, P.J., Kim, E.H.	On interpreting security returns during the ex-dividend	13	84	46	5.8	4.3
87	Diamond, D.W., Verrecchia, R.E.	Information aggregation in a noisy rational expectations economy	9	81	61	5.5	8.3
88	Whaley, R.E.	Valuation of American call options on dividend-paying stocks: Empirical tests	10	82	55	5.5	4.4
89	Lakonishok, J., Vermaelen, T.	Tax-induced trading around ex-dividend days	16	86	33	5.5	3.9
89	Dunn, K.B., Singleton, K.J.	Modeling the term structure of interest rates under non-separable utility and durability of goods	17	86	33	5.5	4.4
91	Malatesta, P.H.	The wealth effect of merger activity and the objective functions of merging firms	11	83	48	5.3	4.5
91	Dunn, L.V., DeAngelo, H.	Standstill agreements, privately negotiated stock repurchases, and the market for corporate control	11	83	48	5.3	4.9
93	Malatesta, P.H., Walking, R.A.	Poison pill securities: Stockholder wealth, profitability, and ownership structure	20	88	21	5.3	4.2
94	Gibbons, M.R., Ferson, W.	Testing asset pricing models with changing expectations and an unobservable market portfolio	14	85	36	5.1	6.1
95	Titman, S.	The effect of capital structure on a firm's liquidation decision	13	84	41	5.1	7.6

Table A1 (continued)

Rank	Authors	Paper	Volume	Year	Total Citations	Average Citations/	
						Year	Year/ 24 Pages
96	Chan, K.C., Chen, N.F., Hsieh, D.A.	An exploratory investigation of the firm size effect	14	85	35	5.0	5.4
96	Glosten, L.R., Harris, L.E. Wruck, K.H.	Estimating the components of the bid/ask spread Equity ownership concentration and firm value: Evidence from private equity financings Signaling by underpricing in the IPO market	21 23 23	88 89 89	20 15 15	5.0 5.0 5.0	6.0 4.6 5.4
96	Allen, F., Faulhaber, G.R.	An analytic valuation formula for unprotected American call options on stocks with known dividends Forward contracts and futures contracts	5 9	77 81	74 54	4.9 4.9	14.7 11.7
100	Roll, R.	On computing mean returns and the small firm premium	12	83	44	4.9	7.3
102	Roll, R.	Insiders' profits, costs of trading, and market efficiency	16	86	29	4.8	4.8
103	Seyhun, H.	Anomalies in relationships between securities yields and yield surrogates	6	78	67	4.8	4.8
104	Bail, R.	The wealth effects of targeted share repurchases	11	83	43	4.8	4.1
104	Bradley, M., Wakeman, L.M.	The valuation of compound options	7	79	62	4.8	3.8
106	Geske, R.	Ownership structure and voting on antitakeover amendments	20	88	19	4.8	4.4
107	Brickley, J.A., Lease, R.C., Smith, C.W.	Spot rates, forward rates and exchange market efficiency	5	77	70	4.7	9.3
108	Cornell, B.	An equilibrium characterization of the term structure	5	77	70	4.7	9.3
108	Vasicek, O.	Optimal dealer pricing under transactions and return uncertainty	9	81	51	4.6	3.9
110	Ho, T., Stoll, H.R.	Time to build, option value, and investment decisions	18	87	23	4.6	5.0
111	Majd, S., Pindyck, R.S.	Corporate capital expenditure decisions and the market value of the firm	14	85	32	4.6	4.5
112	McConnell, J.J., Muscarella, C.J.	Consumption correlatedness and risk measurement in economies with non-traded assets and heterogeneous information	10	82	45	4.5	6.7
113	Grossman, S.J., Shiller, R.J.	Price performance of common stock new issues	2	75	76	4.5	2.8
114	Ibbotson, R.G.	The information content of option prices and a test of market efficiency	6	78	62	4.4	4.8
115	Chiras, D.P., Manaster, S.						

115	DeAngelo, H., DeAngelo, L.	Managerial ownership of voting rights: A study of public corporations with dual classes of common stock	14	85	31	4.4	2.8
115	Mikkelson, W.H., Ruback, R.S.	An empirical analysis of the interfirm equity investment process	14	85	31	4.4	3.3
118	Smith, C.W.	Alternative methods for raising capital: Rights versus underwritten offerings	5	77	66	4.4	2.9
118	Anel, R.A.	A monthly effect in stock returns	18	87	22	4.4	7.5
120	Schipper, K., Smith, A.	Effects of recontracting on shareholder wealth: The case of voluntary spin-offs	12	83	39	4.3	3.2
120	DeAngelo, H., DeAngelo, L.	Proxy contests and the governance of publicly held corporations	23	89	13	4.3	3.2
122	Jensen, M.C.	Some anomalous evidence regarding market efficiency	6	78	60	4.3	12.8
123	Gnablt, M.S., Masulis, R.W., Titman, S.	The valuation effects of stock splits and stock dividends	13	84	34	4.3	3.4
123	Titman, S.M., West, R.R.	Risk and return: January vs. the rest of the year	13	84	34	4.3	7.2
123	Healy, P.M., Palepu, K.G.	Earnings in formation conveyed by dividend initiations and omissions	21	88	17	4.3	3.6
126	Rozeff, M.S., Kinney, W.R.	Capital market seasonality: The case of stock returns	3	76	67	4.2	4.2
127	Long, J.B.	Stock prices, inflation, and the term structure of interest rates	1	74	75	4.2	2.5
128	Mikkelson, W.H., Pantch, M.M.	Stock price effects and costs of secondary distributions	14	85	29	4.1	3.3
128	Malatesta, P.H., Thompson, R.	Partially anticipated events: A model of stock price reactions with an application to corporate acquisitions	14	85	29	4.1	7.1
130	Stefin, H.M., Stattman, M.	Explaining investor preference for cash dividends	13	84	33	4.1	3.3
130	Constantinides, G.M., Ingersoll, J.E.	Optimal bond trading with personal taxes	13	84	33	4.1	2.6
132	Rubinstein, M.	An aggregation theorem for securities markets	1	74	74	4.1	4.9
133	Mikkelson, W.H.	Convertible calls and security returns	9	81	44	4.0	3.4
133	Booth, J.R., Smith, R.L.	Capital raising, underwriting and the certification hypothesis	15	86	24	4.0	4.5
133	Shanken, J.	Multivariate proxies and asset pricing relations: Living with the Roll critique	18	87	20	4.0	4.8
133	Wiggins, J.B.	Option values under stochastic volatility: Theory and empirical estimates	19	87	20	4.0	4.3
133	Grossman, S.J., Hart, O.D.	One share-one vote and the market for corporate control	20	88	16	4.0	3.4

Table A1 (continued)

Rank	Authors	Paper	Volume	Year	Total Citations	Average Citations/Year/24 Pages
138	Patel, J.M., Wolfson, M.A.	The intraday speed of adjustment of stock prices to earnings and dividend announcements	13	84	31	3.9
139	Schipper, K., Smith, A.	A comparison of equity carve-outs and seasoned equity offerings: Share price effects and corporate restructuring	15	86	23	3.8
139	Dennis, D.K., McConnell, J.J.	Corporate mergers and security returns	16	86	23	3.8
141	Fama, E.F.	Forward rates as predictors of future spot rates	3	76	61	3.8
142	Fama, E.F.	Risk-adjusted discount rates and capital budgeting under uncertainty	5	77	57	3.8
142	Eastley, D., O'Hara, M.	Price, trade size, and information in securities markets	19	87	19	3.8
142	Ritter, J.R.	The costs of going public	19	87	19	3.8
145	Charest, G.	Split information, stock returns and market efficiency - II	6	78	53	3.8
146	Bawa, V.S.	Optimal rules for ordering uncertain prospects	2	75	64	3.8
147	Amihud, Y., Mendelson, H.	Dealership market: Market-making with inventory	8	80	45	3.8
147	Barry, C.B., Brown, S.J.	Differential information and the small firm effect	13	84	30	3.8
147	Gay, G.D., Manaster, S.	The quality option implicit in futures contracts	13	84	30	3.8
147	Lakonishok, J., Smid, S.	Volume and turn-of-the-year behavior	13	84	30	3.8
147	Jensen, M.C., Warner, J.B.	The distribution of power among corporate managers, shareholders, and directors	20	88	15	3.8
147	Harris, M., Raviv, A.	Corporate governance: Voting rights and majority rules	20	88	15	3.8
153	Holderness, C.G., Sheehan, D.P.	Raiders or saviors? The evidence on six controversial investors	14	85	26	3.7
154	Christie, A.A.	The stochastic behavior of common stock variances: Value, leverage and interest rate effects	10	82	37	3.7
155	Gultekin, M., Gultekin, B.	Stock market seasonality: International evidence	12	83	33	3.7
155	Breeden, D.T., Smlouk, M., Starks, L.	Consumption, production, inflation and interest rates: A synthesis	16	86	22	3.7
155	Smlouk, M., Starks, L.	Day-of-the-week and intraday effects in stock returns	17	86	22	3.7

155	Keim, D.B.	Trading patterns, bid-ask spreads, and estimated security returns: The case of common stocks at calendar turning points	25	89	11	3.7	3.6
159	Whaley, R.E.	On the valuation of American call options on stocks with known dividends	9	81	40	3.6	14.5
160	Kalay, A.	Stockholder-bondholder conflict and dividend constraints	10	82	36	3.6	3.7
160	Parrch, M.M.	The creation of a class of limited voting common stock and shareholder wealth	18	87	18	3.6	3.1
160	Brockley, J.A., Dark, F.H.	The choice of organizational form: The case of franchising	18	87	18	3.6	4.3
163	Stillman, R.	Examining antitrust policy towards horizontal mergers	11	83	32	3.6	5.3
164	Fama, E.F.	Term premiums in bond returns	13	84	28	3.5	4.6
164	Holderness, C.G., Sheehan, D.P.	The role of majority shareholders in publicly held corporations: An exploratory analysis	20	88	14	3.5	2.8
164	Lehmann, B., Modest, D.M.	The empirical foundations of the arbitrage pricing theory	21	88	14	3.5	2.0
167	Grimblat, M.S., Tirman, S.	Factor pricing in a finite economy	12	83	31	3.4	6.8
168	Watts, R.L.	Systematic abnormal returns after quarterly earnings announcements	6	78	48	3.4	3.4
168	Ohlson, J.A., Penman, S.H.	Volatility increases subsequent to stock splits: An empirical aberration	14	85	24	3.4	5.1
170	Huang, Y.S., Wakling, R.A.	Target abnormal returns associated with acquisition announcements: Payment, acquisition form, and managerial resistance	19	87	17	3.4	3.7
171	Banston, G.J., Hagerman, R.L.	Determinants of bid-asked spreads in the over-the-counter market	1	74	60	3.3	6.6
171	Brown, P., Keim, D.B., Kleidon, A.W., Marsh, T.A.	Stock return seasonalities and the tax-loss selling hypothesis: Analysis of the arguments and Australian evidence	12	83	30	3.3	3.3
171	Hite, G.L., Owers, J.E.	Security price reactions around corporate spin-off announcements	12	83	30	3.3	2.8
174	Green, R.C.	Investment incentives, debt, and warrants	13	84	26	3.3	3.5
174	Pound, J.	Proxy contests and the efficiency of shareholder oversight	20	88	13	3.3	2.6
174	Connor, G., Konieczny, R.A.	Risk and return in an equilibrium APT: Application of a new test methodology	21	88	13	3.3	2.2
177	Hess, P.J., Bickler, J.L.	Capital asset prices versus time series models as predictors of inflation: The expected real rate of interest and market efficiency	2	75	55	3.2	3.9
178	Cohen, K.J., Hawawini, G.A., Maier, S.F., Schwartz, R.A., Whitcomb, D.K.	Friction in the trading process and the estimation of systematic risk	12	83	29	3.2	4.8

Table A1 (continued)

Rank	Authors	Paper	Volume	Year	Total Citations	Average Citations/Year	Citations/Year/24 Pages
178	Dybvig, P.H.	An explicit bound on individual assets' deviations from APT pricing in a finite economy	12	83	29	3.2	5.5
180	Jobson, J.D., Kordic, B.	Potential performance and tests of portfolio efficiency	10	82	32	3.2	2.2
180	Shanken, J.	A Bayesian approach to testing portfolio efficiency	19	87	16	3.2	3.5
182	Brennan, M.J., Schwartz, E.S.	Savings bonds, retractable bonds and callable bonds	5	77	47	3.1	3.4
183	Garman, M.B.	Market microstructure	3	76	49	3.1	3.7
184	Ingersoll, J.E.	A contingent-claims valuation of convertible securities	4	77	45	3.0	2.1
184	Hite, G.L., Owers, J.E., Rogers, R.C.	The market for interfirm asset sales: Partial sell-offs and total liquidations	18	87	15	3.0	3.0
184	Stambaugh, R.F.	The information in forward rates: Implications for models of the term structure	21	88	12	3.0	2.4
184	Fama, E.F., French, K.K.	Business conditions and expected returns on stocks and bonds	25	89	9	3.0	2.6
188	Warner, J.B.	Bankruptcy, absolute priority, and the pricing of risky debt claims	4	77	44	2.9	1.8
189	Kim, E.H., Lewellen, W.G., McConnell, J.J.	Financial leverage clienteles: Theory and evidence	7	79	38	2.9	2.5
190	Handjinicolaou, G., Kalay, A.	Wealth reallocations or changes in firm value: An analysis of returns to bondholders and stockholders around dividend announcements	13	84	23	2.9	2.3
191	Dann, L.Y., Mayers, D., Raab, R.J.	Trading rules, large blocks and the speed of price adjustment	4	77	43	2.9	3.4
192	Richard, S.F.	An arbitrage model of the term structure of interest rates	6	78	40	2.9	2.6
192	Fama, E.F., Jensen, M.C.	Organizational forms and investment decisions	14	85	20	2.9	3.4
192	Kalay, A., Loewenstein, U.	Predictable events and excess returns: The case of dividend announcements	14	85	20	2.9	2.4
195	Geske, R.	A note on an analytical valuation formula for unprotected American call options on stocks with known dividends	7	79	37	2.8	11.3
196	Kandel, S., Stambaugh, R.F.	On correlations and inferences about mean-variance efficiency	18	87	14	2.8	2.2

196	Diamond, D.W., Verrecchia, R.E.	Constraints of short-selling and asset price adjustment to private information	18	87	14	2.8	1.9
198	Linn, S.C., Pinegar, J.M.	The effect of issuing preferred stock on common and preferred stockholder wealth	22	88	11	2.8	2.2
199	Klein, R.W., Bawa, V.S.	The effect of estimation risk on optimal portfolio choice	3	76	43	2.7	3.6
200	Schultz, P.	Transaction costs and the small firm effect: A comment	12	83	24	2.7	8.0
200	Fowler, D.J., Rorke, C.H.	Risk measurement when shares are subject to infrequent trading: Comment	12	83	24	2.7	12.7
200	French, K.R.	A comparison of futures and forward prices	12	83	24	2.7	2.0
203	Lang, L.H.P., Stulz, R.M., Walking, R.A.	Managerial performance, Tobin's q , and the gains from successful tender offers	24	89	8	2.7	3.5
203	Lang, L.H.P., Lutzenberger, R.	Dividend announcements: Cash flow signalling vs. free cash flow hypothesis?	24	89	8	2.7	5.3
205	Furtado, E.P.H., Rozeff, M.S.	The wealth effects of company initiated management changes	18	87	13	2.6	4.4
205	Penman, S.H.	The distribution of earnings news over time and seasonalities in aggregate stock returns	18	87	13	2.6	2.1
207	Sharpe, W.F.	Corporate pension funding policy	3	76	40	2.5	5.0
207	Charest, G.	Split information, stock returns and market efficiency - I	6	78	35	2.5	1.9
207	Bhagat, S., Frost, P.A.	Issuing costs to existing shareholders in competitive and negotiated underwritten public utility equity offerings	15	86	15	2.5	2.1
207	Hasbrouck, J.	Trades, quotes, inventories, and information	22	88	10	2.5	2.5
211	Stulz, R.M., Johnson, H.	An analysis of secured debt	14	85	17	2.4	2.6
212	Oldfield, G.S., Rogalski, R.J., Jarrow, R.A.	An autoregressive jump process for common stock returns	5	77	36	2.4	1.9
212	MacKinlay, A.C.	On multivariate tests of the CAPM	18	87	12	2.4	1.8
214	Black, F.	International capital market equilibrium with investment barriers	1	74	43	2.4	3.6
215	Kandel, S.	The likelihood ratio test statistic of mean-variance efficiency without a riskless asset	13	84	19	2.4	3.1
216	Fama, E.F., Schwert, G.W.	Human capital and capital market equilibrium	4	77	35	2.3	1.8
216	Connor, G.	Performance measurement with the arbitrage pricing theory: A new framework for analysis	15	86	14	2.3	2.5
216	Konajczyk, R.A., Gay, G.D., Manaster, S.	Implicit delivery options and optimal delivery strategies for financial futures contracts	16	86	14	2.3	1.7

Table A1 (continued)

Rank	Authors	Paper	Volume	Year	Total Citations	Average Citations/Year	Citations/Year/24 Pages
216	Richardson, G., Sefcik, S.E., Thompson, R.	A test of dividend irrelevance using volume reactions to a change in dividend policy	17	86	14	2.3	2.5
216	Hayn, C.	Tax attributes as determinants of shareholder gains in corporate acquisitions	23	89	7	2.3	1.6
216	Kaplan, S.N.	Compu's acquisition of Federated: Value destroyed or value added	25	89	7	2.3	2.5
222	Litzenberger, R., Ramaswamy, K.	The effect of personal taxes and dividends on capital asset prices: Theory and empirical evidence	7	79	30	2.3	1.6
223	Rozeff, M.S.	Money and stock prices: Market efficiency and the lag in effect of monetary policy	1	74	41	2.3	0.9
224	Barclay, M.J., Litzenberger, R.	Announcement effects of new equity issues and the use of intraday price data	21	88	9	2.3	1.8
224	Kim, Y.C., Sultz, R.M.	The Eurobond market and corporate financial policy: A test of the clientele hypothesis	22	88	9	2.3	3.0
226	Ruback, R.S.	The effect of discretionary price control decisions on equity values	10	82	22	2.2	2.2
226	Copeland, T.E., Meyers, D.	The Value Line enigma (1965-1978): A case study of performance evaluation issues	10	82	22	2.2	1.5
226	Kaul, G.	Stock returns and inflation: The role of the monetary sector	18	87	11	2.2	2.2
229	Cornell, B.	The consumption based asset pricing model: A note on potential tests and applications	9	81	24	2.2	8.7
230	Chang, E.C., Pinegar, J.M.	Return seasonality and tax-loss selling in the market for long-term government and corporate bonds	17	86	13	2.2	2.0
231	Mayers, D., Rees, E.M.	Measuring portfolio performance and the empirical content of asset pricing models	7	79	28	2.2	2.0
232	Keim, D.B.	Dividend yields and stock returns: Implications of abnormal January returns	14	85	15	2.1	2.8
233	Fernberg, D.	Does the investment interest limitation explain the existence of dividends?	9	81	23	2.1	8.3
234	Constantinides, G.M.	Admissible uncertainty in the intertemporal asset pricing model	8	80	25	2.1	3.1
235	Thompson, R.	The information content of discounts and premiums on closed-end fund shares	6	78	29	2.1	1.4
236	Klein, R.W., Bawa, V.S.	The effect of limited information and estimation risk on optimal portfolio diversification	5	77	31	2.1	2.1
237	Dothan, L.U.	On the term structure of interest rates	6	78	28	2.0	4.0
237	Bhattacharya, M.	Transactions data tests of efficiency of the Chicago Board Options Exchange	12	83	18	2.0	1.8
237	Holthausen, R.W., Leftwich, R.W., Meyers, D.	The effect of large block transactions on security prices: A cross-sectional analysis	19	87	10	2.0	1.5

237	Jarell, G.A., Poulsen, A.B.	Dual-class recapitalizations as anti takeover mechanisms: The recent evidence	20	88	8	2.0	2.0
237	Klein, A., Rosentfeld, J.	Targeted share repurchases and top management changes	20	88	8	2.0	3.4
237	Wheatley, S.M.	Some tests of international equity integration	21	88	8	2.0	1.3
237	Brennan, M.J., Copeland, T.E.	Stock splits, stock prices, and transaction costs	22	88	8	2.0	2.4
237	Mitchell, M.L., Netter, J.M.	Triggering the 1987 stock market crash: Anti takeover provisions in the proposed House Ways and Means tax bill	24	89	6	2.0	1.5
237	Harris, M., Raviv, A.	The design of securities	24	89	6	2.0	1.4
237	Baker, G.P., Wruck, K.H.	Organizational changes and value creation in leveraged buyouts: The case of the O.M. Scott & Sons Company	25	89	6	2.0	1.7
247	Weinstein, M.I.	The effect of a rating change announcement on bond price	5	77	29	1.9	1.4
248	Schaefer, S.M.	Tax-induced clientele effects in the market for British government securities: Placing bounds on security values in an incomplete market	10	82	19	1.9	1.1
248	Asch, P., Malkiel, B.G., Quandt, R.E.	Racetrack betting and informed behavior	10	82	19	1.9	5.7
248	Rendleman, R.J., Jones, C.P., Latane, H.A.	Empirical anomalies based on unexpected earnings and the importance of risk adjustments	10	82	19	1.9	2.3
251	Bhagat, S.	The effect of pre-emptive right amendments on shareholder wealth	12	83	17	1.9	2.0
252	Bergman, Y.Z.	Time preference and capital asset pricing models	14	85	13	1.9	2.8
253	Rolf, R.	A reply to Mayers and Rice (1978)	7	79	24	1.8	4.4
254	Mayers, D., Smith, C.W.	Ownership structure and control: The mutualization of stock life insurance companies	16	86	11	1.8	1.7
254	Ramaswamy, K., Sundaresan, S.M.	The valuation of floating-rate instruments: Theory and evidence	17	86	11	1.8	2.0
256	Startz, R.	Do forecast errors or term premia really make the difference between long and short rates?	10	82	18	1.8	5.4
256	Masulis, R.W.	Changes in ownership structure, conversions of mutual savings and loans to stock charter	18	87	9	1.8	1.3
256	Ofer, A.R., Natarajan, A.	Convertible call policies: An empirical analysis of an information-signaling hypothesis	19	87	9	1.8	2.4
256	Kalay, A., Shimrat, A.	Firm value and seasoned equity issues: Price pressure, wealth redistribution, or negative information	19	87	9	1.8	2.4
260	Galai, D.	Empirical tests of boundary conditions for CBOE options	6	78	25	1.8	1.6
261	Ruback, R.S.	Assessing competition in the market for corporate acquisitions	11	83	16	1.8	3.0

Table A1 (continued)

Rank	Authors	Paper	Volume	Year	Total Citations	Average Citations/Year/24 Pages
262	Ingersoll, J.E.	A theoretical and empirical investigation of the dual purpose funds: An application of contingent-claims analysis	3	76	28	1.8
262	Lizenberger, R., Rollo, J.	Arbitrage pricing, transaction costs and taxation of capital gains: A study of government bonds with the same maturity date	13	84	14	1.8
262	Kamma, S., Weintrop, J., Wier, P.	Investors' perceptions of the Delaware Supreme Court decision in UNOCAL v. Mesa	20	88	7	1.8
262	Mark, N.C.	Time-varying betas and risk premia in the pricing of forward foreign exchange contracts	22	88	7	1.8
266	Schwartz, E.S.	The valuation of warrants: Implementing a new approach	4	77	26	1.7
267	Fama, E.F., MacBeth, J.D.	Tests of the multiperiod two-parameter model	1	74	31	1.7
268	Amisler, C.E., Schmidt, P.	A Monte Carlo investigation of the accuracy of multivariate CAPM tests	14	85	12	1.7
269	Black, F.	Bank funds management in an efficient market	2	75	29	1.7
270	Merton, R.C.	On the pricing of contingent claims and the Modigliani-Miller theorem	5	77	25	1.7
270	Lease, R.C., McConnell, J.J., Mikkelson, W.H.	The market value of control in publicly-traded corporations	11	83	15	1.7
270	Brickley, J.A.	Shareholder wealth, information signaling and the specially designated dividend: An empirical study	12	83	15	1.7
270	Skelton, J.L.	Banks, firms and the relative pricing of tax-exempt and taxable bonds	12	83	15	1.7
270	Bernard, V.L.	Unanticipated inflation and the value of the firm	15	86	10	1.7
270	Marsh, T.A., Rossenfeld, E.R.	Non-trading, market making, and estimates of stock price volatility	15	86	10	1.7
270	Fama, E.F.	Term premiums and default premiums in money markets	17	86	10	1.7
270	Skinner, D.J.	Options markets and stock return volatility	23	89	5	1.7
270	Harvey, C.R.	Time-varying conditional covariances in tests of asset pricing models	24	89	5	1.7
270	Gilson, S.C.	Management turnover and financial distress	25	89	5	1.7
280	Edington, L.H.	Uncertainty, competition, and costs in corporate bond underwriting	2	75	28	1.6
281	Long, J.B.	The market valuation of cash dividends: A case to consider	6	78	23	1.6
282	Stulz, R.M.	Options on the minimum or the maximum of two risky assets: Analysis and applications	10	82	16	1.6
282	Ferson, W.E., Mernick, J.J.	Non-stationarity and stage-of-the-business-cycle effects in consumption-based asset pricing relations	18	87	8	1.6

282	Comment, R., Jarell, G.A.	Two-tier and negotiated tender offers: The imprisonment of the free-riding shareholder	19	87	8	1.6	1.4
285	Stuckel, S.E.	The effect of Value Line Investment Survey rank changes on common stock prices	14	85	11	1.6	1.6
286	Long, J.B.	Efficient portfolio choice with differential taxation of dividends and capital gains	5	77	23	1.5	1.2
286	Williams, J.T.	Capital asset prices with heterogeneous beliefs	5	77	23	1.5	1.7
286	Pettit, R.R.	Taxes, transactions costs and the clientele effect of dividends	5	77	23	1.5	2.0
289	Brackley, J.A., James, C.M.	Access to deposit insurance, insolvency rules and the stock returns of financial institutions	16	86	9	1.5	1.3
289	Buser, S.A., Hess, P.J.	Empirical determinants of the relative yields on taxable and tax-exempt securities	17	86	9	1.5	1.6
289	Chari, V.V., Jagannathan, R., Ofer, A.R.	Seasonalities in security returns: The case of earnings announcements	21	88	6	1.5	1.6
289	Barelay, M.J., Smith, C.W.	Corporate payout policy: Cash dividends versus open-market repurchases	22	88	6	1.5	1.6
289	Brown, K.C., Harlow, W.V., Tinic, S.M.	Risk aversion, uncertain information, and market efficiency	22	88	6	1.5	1.1
294	Fades, K.M., Hess, P.J., Kim, E.H.	Market rationality and dividend announcements	14	85	10	1.4	1.4
295	Officer, R.R.	Seasonality in Australian capital markets: Market efficiency and empirical issues	2	75	24	1.4	1.4
296	Jones, E.P.	Option arbitrage and strategy with large price changes	13	84	11	1.4	1.4
296	Brauer, G.A.	'Open-ending' closed-end funds	13	84	11	1.4	1.8
298	Butler, J.S., Schachter, B.	Unbiased estimation of the Black/Scholes formula	15	86	8	1.3	1.8
298	Brennan, M.J.	A theory of price limits in futures markets	16	86	8	1.3	1.4
298	Dietrich-Campbell, J., Schwartz, E.	Valuing debt options: Empirical evidence	16	86	8	1.3	1.3
298	Holthausen, R.W., Leftwich, R.W.	The effect of bond rating changes on common stock prices	17	86	8	1.3	0.9
298	Dimson, E., Marsh, P.	Event study methodologies and the size effect: The case of UK press recommendations	17	86	8	1.3	1.1
298	Mankiw, N.G.	The equity premium and the concentration of aggregate shocks	17	86	8	1.3	3.5
298	Nathan, K.S., O'Keefe, T.B.	The rise in takeover premiums: An exploratory study	23	89	4	1.3	1.6
298	Koh, F., Walter, T.	A direct test of Rock's model of the pricing of unseasoned issues	23	89	4	1.3	1.4

Table A1 (continued)

Rank	Authors	Paper	Volume	Year	Total Citations	Average Citations/Year/24 Pages
298	Muscarella, C.J., Vetsuypens, M.R.	A simple test of Baron's model of IPO underpricing	24	89	4	1.3 2.7
298	Merville, L.J., Piepea, D.R.	Stock-price volatility, mean-reverting diffusion, and noise	24	89	4	1.3 1.4
298	Berveniste, L.M., Spindt, P.A.	How investment bankers determine the offer price and allocation of new issues	24	89	4	1.3 1.6
298	Eckbo, B.E., Langohr, H.	Information disclosure, method of payment, and takeover premiums: Public and private tender offers in France	24	89	4	1.3 0.8
298	Ball, R., Kothari, S.P.	Nonstationary expected returns: Implications for tests of market efficiency and serial correlations in returns	25	89	4	1.3 1.3
298	Shleifer, A., Vishny, R.W.	Management entrenchment: The case of manager-specific investments	25	89	4	1.3 1.8
312	Bhagat, S., Brickley, J.A., Lease, R.C.	Incentive effects of stock purchase plans	14	85	9	1.3 1.4
312	Roll, R.	A note on the geometry of Shanken's CSR T-square test for mean/variance efficiency	14	85	9	1.3 3.1
314	Merton, R.C., Samuelson, P.A.	Fallacy of the log-normal approximation to optimal portfolio decision-making over many periods	1	74	23	1.3 1.1
315	Boyle, P.P., Emanuel, D.	Discretely adjusted option hedges	8	80	15	1.3 1.2
315	Ruback, R.S.	Coercive dual-class exchange offers	20	88	5	1.3 1.4
315	Karhoff, J.M., Walking, R.A.	Short-term trading around ex-dividend days: Additional evidence	21	88	5	1.3 3.7
318	Miller, M.M., Scholes, M.S.	Dividends and taxes	6	78	17	1.2 0.9
319	Hawkins, G.D.	An analysis of revolving credit agreements	10	82	12	1.2 1.2
319	Cumby, R.E., Modest, D.M.	Testing for market timing ability: A framework for forecast evaluation	19	87	6	1.2 1.3
319	Kim, E.H., Schatzberg, J.D.	Voluntary corporate liquidations	19	87	6	1.2 1.6
322	Ruback, R.S.	Calculating the market value of riskless cash flows	15	86	7	1.2 1.5
322	Vu, J.D.	An empirical investigation of calls of non-convertible bonds	16	86	7	1.2 0.9

322	Park, S.Y., Renganum, M.R.	The puzzling price behavior of Treasury bills that mature at the turn of calendar months	16	86	7	1.2	1.6
322	Barone-Adesi, G., Whaley, R.E.	The valuation of American call options and the expected ex-dividend stock price decline	17	86	7	1.2	1.3
326	Cornell, B.	Asymmetric information and portfolio performance measurement	7	79	15	1.2	2.8
327	Boyle, P.P., Ananthanarayanan, J.E.	The impact of variance estimation in option valuation models	5	77	17	1.1	1.9
328	Jaganathan, R.	Call options and the risk of underlying securities	13	84	9	1.1	2.7
329	McConnell, J.J., Schallheim, J.S.	Valuation of asset leasing contracts	12	83	10	1.1	1.0
330	Schwert, G.W.	Stock exchange seats as capital assets	4	77	16	1.1	0.9
330	Boyle, P.P.	Options: A Monte Carlo approach	4	77	16	1.1	1.6
330	Greene, M.T., Fieitz, B.D.	Long-term dependence in common stock returns	4	77	16	1.1	2.1
330	Bawa, V.S., Lundberg, E.B.	Capital market equilibrium in a mean-lower partial moment framework	5	77	16	1.1	2.1
334	Milne, F.	Choice over asset economies: Default risk and corporate leverage	2	75	18	1.1	1.1
335	Gould, J.P., Galai, D.	Transactions costs and the relationship between put and call prices	1	74	19	1.1	1.0
336	Brennan, M.J., Schwartz, E.S.	The pricing of equity-linked life insurance policies with an asset value guarantee	3	76	16	1.0	1.2
336	Shiller, R.J., Modigliani, F.	Coupon and tax effects on new and seasoned bond yields and the measurement of the cost of debt capital	7	79	13	1.0	1.0
336	Hillner, S.C., Yu, P.L.	The market speed of adjustment to new information	7	79	13	1.0	0.9
336	Jarrow, R.A., Rudd, A.	Approximate option valuation for arbitrary stochastic processes	10	82	10	1.0	1.0
336	Emanuel, D.C.	Warrant valuation and exercise strategy	12	83	9	1.0	0.9
336	Peterson, P.P., Peterson, D.R., Ang, J.S.	Direct evidence on the marginal rate of taxation on dividend income	14	85	7	1.0	1.5
336	Brown, S.J., Weinstein, M.I.	Derived factors in event studies	14	85	7	1.0	4.0
336	Poterba, J.M.	The market valuation of cash dividends: The Citizens Utilities case reconsidered	15	86	6	1.0	2.0
336	Lancker, D.F., Lys, T.	An empirical analysis of the incentives to engage in costly information acquisition: The case of risk arbitrage	18	87	5	1.0	1.5
336	Day, T.E., Lewis, C.M.	The behavior of the volatility implicit in the prices of stock index options	22	88	4	1.0	1.2

Table A1 (continued)

Rank	Authors	Paper	Volume	Year	Total Citations	Average Citations/ Year	Citations/ 24 Pages
336	Blackwell, D.W., Kidwell, D.S.	An investigation of cost differences between public sales and private placements of debt	22	88	4	1.0	0.9
336	Harvey, C.R.	The real term structure and consumption growth	22	88	4	1.0	0.8
336	Handa, P., Kohari, S.P., Wasley, C.	The relation between the return interval and betas: Implications for the size effect	23	89	3	1.0	1.1
336	Longstaff, F.A.	A nonlinear general equilibrium model of the term structure of interest rates	23	89	3	1.0	0.8
336	Franks, J.R., Harris, R.S.	Shareholder wealth effects of corporate takeovers: The U.K. experience 1955-1985	23	89	3	1.0	0.9
351	Collins, D.W.	S&P product-line reporting and market efficiency	2	75	16	0.9	0.6
352	Hite, G.L.	Leverage, output effects, and the M-M theorems	4	77	14	0.9	0.9
353	Wier, P.	The costs of antitakeover lawsuits: Evidence from the stock market	11	83	8	0.9	1.2
354	Dunn, K.B., Spatt, C.S.	A strategic analysis of sinking fund bonds	13	84	7	0.9	0.8
354	French, D.W.	The weekend effect on the distribution of stock prices: Implications for option pricing	13	84	7	0.9	1.5
356	Kalay, A., Loewenstein, U.	The informational content of the timing of dividend announcements	16	86	5	0.8	1.2
357	Heckerman, D.G.	Motivating managers to make investment decisions	2	75	14	0.8	1.0
358	McCulloch, J.H.	The monotonicity of the term premium: A closer look	18	87	4	0.8	2.4
358	Barclay, M.J.	Dividends, taxes, and common stock prices: The ex-dividend day behavior of common stock prices before the income tax	19	87	4	0.8	1.4
358	Gibbons, M.R., Stankert, J.	Subperiod aggregation and the power of multivariate tests of portfolio efficiency	19	87	4	0.8	3.2
361	Ng, D.S.	Information accuracy and social welfare under homogeneous beliefs	2	75	13	0.8	1.0
361	Richard, S.F.	Optimal consumption, portfolio and life insurance rules for an uncertain lived individual in a continuous time model	2	75	13	0.8	1.0
363	Avazian, V.A., Callen, J.L.	Corporate leverage and growth: The game-theoretic issues	8	80	9	0.8	0.8
363	Constantinides, G.M.	Warrant exercise and bond conversion in competitive markets	13	84	6	0.8	0.6
363	Ball, C.A., Torous, W.	Investigating security-price performance in the presence of event-date uncertainty	22	88	3	0.8	0.6
363	Cotes, J.L., Loewenstein, U.	Equilibrium pricing and portfolio composition in the presence of uncertain parameters	22	88	3	0.8	0.7

367	Lee, W.Y., Rao, R.K.S., Auchmuty, J.F.G.	Option pricing in a lognormal securities market with discrete trading	9	81	8	0.7	0.6
368	Elton, E.J., Gruber, M.J.	Taxes and portfolio composition	6	78	10	0.7	1.4
368	Parsons, J.E., Raviv, A.	Underpricing of seasoned issues	14	85	5	0.7	0.8
370	Chen, A.H., Kim, E.H., Kon, S.J.	Cash demand, liquidation costs and capital market equilibrium under uncertainty	2	75	12	0.7	1.1
371	Goldman, M.B., Sosin, H.B.	Information dissemination, market efficiency and the frequency of transactions	7	79	9	0.7	0.7
371	Baldwin, C.Y., Meyer, R.F.	Liquidity preference under uncertainty: A model of dynamic investment in illiquid opportunities	7	79	9	0.7	0.6
373	Gatto, M.A., Geske, R., Litzenberger, R., Sosin, H.	Mutual fund insurance	8	80	8	0.7	0.4
373	Klemkosky, R.C., Resnick, B.G.	An ex ante analysis of put-call parity	8	80	8	0.7	1.0
375	Stambaugh, R.F.	Arbitrage pricing with information	12	83	6	0.7	1.1
375	Bennings, S., Protopapadakis, A.	General equilibrium properties of the term structure of interest rates	16	86	4	0.7	0.7
375	Dunn, K.B., Eades, K.M.	Voluntary conversion of convertible securities and the optimal call strategy	23	89	2	0.7	0.5
375	Wheatley, S.M.	A critique of latent variable tests of asset pricing models	23	89	2	0.7	1.1
375	Corrado, C.J.	A nonparametric test for abnormal security-price performance in event studies	23	89	2	0.7	1.3
375	Karpoff, J.M., Rice, E.M.	Organizational form, share transferability, and firm performance: Evidence from the ANCSA corporations	24	89	2	0.7	0.4
375	Turner, C.M., Startz, R., Nelson, C.R.	A Markov model of heteroskedasticity, risk, and learning in the stock market	25	89	2	0.7	0.8
375	Lummer, S.L., McConnell, J.J.	Further evidence on the bank lending process and the capital-market response to bank loan agreements	25	89	2	0.7	0.7
375	Kale, J.R., Noe, T.H., Gay, G.D.	Share repurchase through transferable put rights: Theory and case study	25	89	2	0.7	0.8
375	Tufano, P.	Financial innovation and first-mover advantages	25	89	2	0.7	0.6

Table A1 (continued)

Rank	Authors	Paper	Volume	Year	Total Citations	Average Citations/Year	Citations/Year/24 Pages
375	Mitkelson, W.H., Partch, M.M.	Managers' voting rights and corporate control	25	89	2	0.7	0.6
375	Kapoff, J.M., Malatesta, P.H.	The wealth effects of second-generation state takeover legislation	25	89	2	0.7	0.5
375	Israel, R., Ofar, A.R., Siegel, D.R.	The information content of equity-for-debt swaps: An investigation of analyst forecasts of firm cash flows	25	89	2	0.7	0.7
375	Barclay, M.J., Holderness, C.G.	Private benefits from control of public corporations	25	89	2	0.7	0.6
389	Schmalensee, R.	Risk and return on long-lived tangible assets	9	81	7	0.6	0.7
390	Gaman, M.B.	The duration of option portfolios	14	85	4	0.6	1.7
390	Chen, N.F., Johnson, H.	Hedging options	14	85	4	0.6	2.3
392	Hakansson, N.H.	Comment on Merton and Samuelson	1	74	9	0.5	6.0
392	Johnson, K.H., Shannon, D.S.	A note of diversification and the reduction of dispersion	1	74	9	0.5	1.5
392	Grauer, R.B.	Generalized two parameter asset pricing models: Some empirical evidence	6	78	7	0.5	0.5
395	Ali, M.M.	Stochastic dominance and portfolio analysis	2	75	8	0.5	0.4
396	Nichols, W.D., Brown, S.L.	Assimilating earnings and split information: Is the capital market becoming more efficient?	9	81	5	0.5	1.4
397	Williams, J.T.	Trading and valuing depreciable assets	14	85	3	0.4	0.4
398	Schallheim, J.S., Johnson, R.E., Lease, R.C., McConnell, J.J.	The determinants of yields on financial leasing contracts	19	87	2	0.4	0.4
398	Lo, A.W.	Semi-parametric upper bounds for option prices and expected payoffs	19	87	2	0.4	0.6
400	Mayers, D.	Portfolio theory, job choice and the equilibrium structure of expected wages	1	74	7	0.4	0.5
401	Venecchia, R.E.	The Mayers-Rice conjecture: A counterexample	8	80	4	0.3	0.6
401	Lo, A.W.	Statistical tests of contingent-claims asset-pricing models: A new methodology	17	86	2	0.3	0.2
401	Brenner, M., Subrahmanyam, M., Uno, J.	The behavior of prices in the Nikkei spot and futures market	23	89	1	0.3	0.4

401	Scholes, M.S., Wolfson, M.A.	Decentralized investment banking. The case of discount dividend-reinvestment and stock-purchase plans	24	89	1	0.3	0.3
401	Moore, W.T., Christensen, D.G., Roentfeldt, R.L.	Equity valuation effects of forming master limited partnerships	24	89	1	0.3	0.4
401	Lauterbach, B.	Consumption volatility, production volatility, spot-rate volatility, and the returns on Treasury bills and bonds	24	89	1	0.3	0.3
401	Richardson, M., Stock, J.H.	Drawing inferences from statistics based on multiyear asset returns	25	89	1	0.3	0.3
408	Garman, M.B.	An algebra for evaluating hedge portfolios	3	76	5	0.3	0.3
409	Bick, A.	Comments on the valuation of derivative assets	10	82	3	0.3	0.4
410	Morgan, I.G.	Prediction of return with the minimum variance zero-beta portfolio	2	75	5	0.3	0.4
411	Garman, M.B.	The pricing of supershares	6	78	4	0.3	0.9
412	Hakansson, N.H.	Convergence to isoelastic utility and policy in multiperiod portfolio choice	1	74	5	0.3	0.3
413	Geske, R.	Comments on Whaley's note	9	81	3	0.3	1.6
414	Alexander, G.J.	An algorithmic approach to deriving the minimum-variance zero-beta portfolio	4	77	4	0.3	1.1
414	Arzac, E.R., Bawa, V.S.	Portfolio choice and equilibrium in capital markets with safety-first investors	4	77	4	0.3	0.5
416	Pound, J.	The information effects of takeover bids and resistance	22	88	1	0.3	0.3
417	Subrahmanyam, M.	On the optimality of international capital market integration	2	75	4	0.2	0.2
417	Stapleton, R.C.	A note on default risk, leverage and the MM theorem	2	75	4	0.2	0.9
419	Goldman, M.B.	A negative report on the "near optimality" of the max-expected-log policy as applied to bounded utilities for long lived programs	1	74	4	0.2	0.8
419	Jensen, M.C.	Symposium on the market for Corporate Control: The scientific evidence -- Preface	11	83	2	0.2	5.3
419	Brown, D., Huang, C.F.	Option pricing in a lognormal securities market with discrete trading: A comment	12	83	2	0.2	2.7
422	Bloomfield, T., Leftwich, R., Long, J.B.	Portfolio strategies and performance	5	77	3	0.2	0.3
422	Roff, R., Ross, S.A.	Comments on qualitative results for investment proportions	5	77	3	0.2	1.2
422	Park, S.B.	Spot and forward rates in the Canadian Treasury bill market	10	82	2	0.2	0.6
422	Ho, T., Singet, R.F.	Bond indenture provisions and the risk of corporate debt	10	82	2	0.2	0.1
422	Kanady, G.G.	The effect of temporal risk aversion on liquidity preference	10	82	2	0.2	0.3
422	Allen, P.R., Simans, C.F.	An analysis of gains to acquiring firm's shareholders: The special case of REITs	18	87	1	0.2	0.5
428	Stueck, B.W.	Explicit solutions to some single-period investment problems for risky logstable stocks	3	76	3	0.2	0.2

Table A1 (continued)

Rank	Authors	Paper	Volume	Year	Total Citations	Average Citations/Year	Citations/Year/24 Pages
429	Gauman, M.B., Ohlson, J.A.	Valuation of risky assets in arbitrage-free economies with transactions costs	9	81	2	0.2	0.4
430	Scott, J.A., Smith, T.C.	The effect of the Bankruptcy Reform Act of 1978 on small business loan pricing	16	86	1	0.2	0.2
430	Langohr, H.M., Vizallet, C.J.	Compensation and wealth transfers in the French nationalizations: 1981-1982	17	86	1	0.2	0.1
432	Gleit, A.	Valuation of general contingent claims: Existence, uniqueness and comparisons of solutions	6	78	2	0.1	0.2
433	Constantinides, G.M.	Comment on Chen, Kim and Kon	3	76	2	0.1	1.5
434	Caperza, P., Feekhoudt, L.	Delayed risk and risk premiums	2	75	2	0.1	0.2
435	Mason, S.P., Bhattacharya, S.	Risky debt, jump processes, and safety covenants	9	81	1	0.1	0.1
436	Morgan, I.G.	Market proxies and the conditional prediction of returns	6	78	1	0.1	0.1
437	Benson, G.J.	The impact of maturity regulation on high interest rate lenders and borrowers	4	77	1	0.1	0.1
437	Litzenberger, R., Sooin, H.B.	The structure and management of dual purpose funds	4	77	1	0.1	0.1
437	Rudd, A.	A note on qualitative results for investment proportions	5	77	1	0.1	0.3
440	Ross, S.A.	Portfolio turnpike theorems for constant policies	1	74	1	0.1	0.0
441	Chen, A.H., Kim, E.H., Kon, S.J.	Cash demand, liquidation costs, and capital market equilibrium under uncertainty: Reply	3	76	0	0.0	0.0
442	Gupta, K.	Determinants of corporate borrowing: A note	10	82	0	0.0	0.0
442	Gay, G.D., Kolb, R.W., Yung, K.	Trader rationality in the exercise of futures options	23	89	0	0.0	0.0
442	Young, L., Boyle, G.W.	Forward and futures prices in a general equilibrium monetary model	24	89	0	0.0	0.0