LU ZHANG, 张橹



760A Fisher Hall, 2100 Neil Avenue Columbus OH 43210, USA

Tel: 614.292.8644. Cell: 585.267.6250

Email: zhanglu@fisher.osu.edu http://theinvestmentcapm.com/

Google Scholar @zhanglu_osu | Facebook | YouTube WeChat: Kiddy906 | Weibo: 张橹 OhioState

4/2024

Academic Employment

Max M. Fisher College of Business, The Ohio State University

The John W. Galbreath Chair of Finance, Professor of Finance, 2017-present Fisher College of Business Distinguished Chair, Professor of Finance, 2015-2017 Dean's Distinguished Chair, Professor of Finance, 2010-2015

Stephen M. Ross School of Business, University of Michigan

Professor of Finance, 2009-2010 Associate Professor of Finance (with tenure), 2006-2009

William E. Simon Graduate School of Business Administration, University of Rochester

Assistant Professor of Finance, 2002-2006

Education

The Wharton School, University of Pennsylvania. 1998-2002. Ph.D. in Finance. 2002. M.A. in Finance. 2000. Ph.D. dissertation: Essays on the cross section of returns

Washington University in St. Louis. 1996-1998. M.A. in Economics. 1997

PBC School of Finance, Tsinghua University (formerly the Graduate School of the People's Bank of China). 1993-1996. M.S. in Finance. 1996

Jiangxi University of Finance and Economics. 1989-1993. B.A. in Economics. 1993

Professional Honors and Awards

Presenter, EDHEC Speaker Series on "The Future of Finance," "Corporate asset pricing" (YouTube), 4/2024

"Digesting anomalies: An investment approach" (Hou, Xue, and Zhang, 2015, Review of Financial Studies) has featured in Bodie, Kane, and Marcus's *Investments* since 2023 (13e)

Overview & Research Ideas (O&R) presenter, "Two dogmas of the consumption CAPM" (YouTube), 2022 Financial Management Association (FMA) Annual Meeting, Atlanta, 10/2022

Keynote: "Realist asset pricing: A Copernican revolution" (YouTube), 2022 Brazilian Meeting of Finance, Vitoria, Brazil, 7/2022

Keynote: "Asymmetric investment rates." 12th Financial Markets and Corporate Governance Conference and Ph.D. Symposium (FMCG 2022), Monash Business School, Melbourne, Australia, 4/2022

Finalist, 2021 Spängler IQAM Best Paper Prize for the best investments paper published in Review of Finance, European Finance Association, "An augmented *q*-factor model with expected growth" (with Hou, Mo, and Xue)

Keynote: "Toward a theory of everything?" (YouTube), 6th Annual University of Connecticut Finance Conference, Hartford, Connecticut, 5/2021

Keynote: "The investment CAPM: Latest developments." 2nd China International Forum on Finance and Policy, University of International Business and Economics, Beijing, China, 12/2019

2019 Spängler IQAM Best Paper Prize for the best investments paper published in Review of Finance, European Finance Association, "Which factors?" (with Hou, Mo, and Xue)

Keynote: "The investment CAPM: Latest developments" (YouTube), Swedish House of Finance Conference on "Financial Markets and Corporate Decisions," Stockholm, Sweden, 8/2019

Keynote: " q^5 : Stress-testing factor models." 5th AP2-CFF Conference on "Can Financial Research be Used by the Finance Industry?" University of Gothenburg, Sweden, 12/2018

Keynote: "The supply theory of asset pricing." 2nd Annual Conference on "Corporate Policies and Asset Prices," Cass Business School, London, United Kingdom, 12/2018

Invited lecture: " q^5 : Stress-testing factor models." 15th Annual Bernstein Quantitative Finance Conference, New York City, 10/2018

Keynote: "The investment CAPM: An update." "Merton H. Miller" European Financial Management 2018 Doctoral Seminar, Milan, Italy, 6/2018

"Replicating anomalies" (with Hou and Xue) featured in Wall Street Journal: "A reality check on stock-market 'anomalies'," by Wesley Gray, 11/5/2017; "When researchers and investors walk into a bar, the investors get hammered," by Jason Zweig, 5/12/2017; "An algorithm, an ETF and an academic study walk into a bar," by James Mackintosh, 5/11/2017

"Replicating anomalies" (with Hou and Xue) featured in Bloomberg: "Professor has some questions about your index funds," by Nir Kaissar, 12/24/2018; "What'd You Miss?" (57:29), 5/24/2017; "Ivory tower wonks help traders make a quick buck," by Noah Smith, 5/11/2017; "Anomalies, pitches and promises," by Matt Levine, 5/9/2017; "A new paper just took a huge shot at some of the world's hottest investments," by Eric Weiner, 5/8/2017

Second Prize, the Chicago Quantitative Alliance Academic Competition, "Replicating anomalies" (with Hou and Xue), 2017

Keynote: "Replicating anomalies." The Inquire Europe Symposium on "Advances in Factor Investing," Montreux, Switzerland, 10/2017

Keynote: "The investment CAPM." The European Financial Management Symposium on "Finance and Real Economy," Xiamen, China, 4/2017

Special Term Professor, PBC School of Finance, Tsinghua University, 2017-present

"Digesting anomalies: An investment approach" (with Hou and Xue) is the most cited article published at Review of Financial Studies in 2015

Inquire Europe, Institute for Quantitative Investment Research, grant of €10,000 for "Global *q*-factors," 2016

Second Prize, the Chicago Quantitative Alliance Academic Competition, "A comparison of new factor models" (with Hou and Xue), 2015

The Outstanding Working Professional MBA Elective Faculty Award, Fisher College of Business, The Ohio State University, 2015

Special Term Professor, Shanghai University of Finance and Economics, 2012-2018

Researcher of The Year Award, Ross School of Business, University of Michigan, 2010. "In recognition of his achievements on multiple scholarly dimensions, his stellar reputation in the field of finance, and his efforts to improve the research environment at the Stephen M. Ross School of Business"

Distinguished Referee Award, Review of Financial Studies, 2010

Inaugural Distinguished Referee Award, Review of Financial Studies, 2009

National Bureau of Economic Research: Research Associate, 2009-present, Faculty Research Fellow, 2005-2009, Asset Pricing program

Special Term Professor, Shanghai Advanced Institute of Finance, Shanghai Jiaotong University, 2009-2012

"The value premium" (Zhang, 2005, Journal of Finance) and "Is value riskier than growth?" (Petkova and Zhang, 2005, Journal of Financial Economics) have featured in Bodie, Kane, and Marcus's *Investments* since 2006 (7th edition)

"The value premium" is the 4th most highly cited article in the literature on anomalies and fundamental analysis since 2000 with the highest average number of citations per year (Source: Richardson, Tuna, and Wysocki, 2010, Journal of Accounting and Economics)

"The value premium" is among the 25 most cited articles in Journal of Finance since 2004 (source: The American Finance Association Web site)

The 2007-08 NTT Research Fellowship Award, University of Michigan

Gutmann Center Research Fellow, University of Vienna, 4/2007

First Prize, the Smith-Breeden Award for Best Paper in 2005, American Finance Association and Journal of Finance, "The value premium"

Runner-up for Best Paper Award at the 2005 Utah Winter Finance Conference for "Anomalies"

Runner-up for Barclays Global Investors Award for the Best Conference Paper at the 2005 European Finance Association Meetings for "The new issues puzzle: Testing the investment-based explanation" (with Lyandres and Sun)

Dean's Fellowship for Distinguished Merits, The Wharton School, 1998-2002

Research

Area of Specialization

Asset pricing, in connection with macroeconomics, corporate finance, labor economics, computational economics, microeconometrics, capital markets research in accounting, cliometrics, history of economic thought, and history and philosophy of science

Publications

- Hou, Kewei, Haitao Mo, Chen Xue, and Lu Zhang, The economics of security analysis, **Management Science** 70 (1), 164-186.
- Bai, Hang, and Lu Zhang, Searching for the equity premium, **Journal of Financial Economics** 143 (2), 897-926.
- Hou, Kewei, Haitao Mo, Chen Xue, and Lu Zhang, An augmented *q*-factor model with expected growth, **Review of Finance** 25 (1), 1-41. Editor's Choice, lead article. Finalist, 2021 Spängler IQAM Best Paper Prize for the best investments paper published in Review of Finance, European Finance Association.
- Petrosky-Nadeau, Nicolas, and Lu Zhang, Unemployment crises, **Journal of Monetary Economics** 117, 335-353. The Washington Post, "Unemployment worst since Depression era," Heather Long and Andrew Van Dam, 5/9/2020. Financial Times, "Few precedents for grim US jobless numbers," Brooke Fox and Steven Bernard, 5/9/2020.
- Zhang, Lu, Q-factors and investment CAPM, **Oxford Research Encyclopedia of Economics and Finance**, Oxford University Press. doi: https://doi.org/10.1093/acrefore/9780190625979.013.593. Marginal Revolution, "*q*-factors and investment CAPM," Tyler Cowen, 12/13/2019. Marginal Revolution, "Another take on *q*-factors and investment CAPM," Tyler Cowen, 12/14//2019.
- 2020 Goncalves, Andrei S., Chen Xue, and Lu Zhang, Aggregation, capital heterogeneity, and the investment CAPM, **Review of Financial Studies** 33 (6), 2728-2771.
- Hou, Kewei, Chen Xue, and Lu Zhang, Replicating anomalies, Review of Financial Studies 33 (5), 2019-2133. A top-5 highly cited article recently published at Review of Financial Studies. Second Prize, the Chicago Quantitative Alliance Academic

Competition, 2017. Wall Street Journal: "A reality check on stock-market 'anomalies'," Wesley Gray, 11/5/2017; "When researchers and investors walk into a bar, the investors get hammered," Jason Zweig, 5/12/2017; "An algorithm, an ETF and an academic study walk into a bar," James Mackintosh, 5/11/2017. Bloomberg: "Professor has some questions about your index funds," Nir Kaissar, 12/24/2018; "What'd You Miss?" (57:29), 5/24/2017; "Ivory tower wonks help traders make a quick buck," Noah Smith, 5/11/2017; "Anomalies, pitches and promises," Matt Levine, 5/9/2017; "A new paper just took a huge shot at some of the world's hottest investments," Eric Weiner, 5/8/2017.

- 2019 Bai, Hang, Kewei Hou, Howard Kung, Erica X. N. Li, and Lu Zhang, The CAPM strikes back? An equilibrium model with disasters, **Journal of Financial Economics** 131 (2), 269-298.
- Hou, Kewei, Haitao Mo, Chen Xue, and Lu Zhang, Which factors? Review of Finance 23 (1), 1-35. Editor's Choice, lead article. A top-5 highly cited article recently published at Review of Finance. 2019 Spängler IQAM Best Paper Prize for the best investments paper published in Review of Finance, European Finance Association. Second Prize, the Chicago Quantitative Alliance Academic Competition, 2015.
- 2018 Petrosky-Nadeau, Nicolas, Lu Zhang, and Lars-Alexander Kuehn, Endogenous disasters, American Economic Review 108 (8), 2212-2245.
- Zhang, Lu, The investment CAPM, **European Financial Management** 23 (4), 545-603. Lead article. Marginal Revolution, "Another take on *q*-factors and investment CAPM," Tyler Cowen, 12/14/2019.
- 2017 Petrosky-Nadeau, Nicolas, and Lu Zhang, Solving the Diamond-Mortensen-Pissarides model accurately, **Quantitative Economics** 8 (2), 611-650.
- Zhang, Lu, Factors war, **Tsinghua Financial Review** 37, 101-104, English translation; 资产定价中的因子大战, **《清华金融评论》**in Mandarin.
- Hou, Kewei, Chen Xue, and Lu Zhang, Digesting anomalies: An investment approach, Review of Financial Studies 28 (3), 650-705. Editor's Choice, lead article. The most cited article published at Review of Financial Studies in 2015. Featured in Bodie, Kane, and Marcus's *Investments* since 2023 (13e).
- Liu, Laura Xiaolei, and Lu Zhang, A neoclassical interpretation of momentum, **Journal of Monetary Economics** 67, 109-128.
- Tang, Yue, Jin (Ginger) Wu, and Lu Zhang, Do anomalies exist ex ante? Review of Finance 18 (3), 843-875. Lead article.
- Belo, Frederico, Chen Xue, and Lu Zhang, A supply approach to valuation, **Review of Financial Studies** 26 (12), 3029-3067.
- Lin, Xiaoji, and Lu Zhang, The investment manifesto, **Journal of Monetary Economics** 60 (3), 351-366.

- Gulen, Huseyin, Yuhang Xing, and Lu Zhang, Value versus growth: Time-varying expected stock returns, **Financial Management** 40 (2), 381-407.
- 2011 Chen, Long, and Lu Zhang, Do time-varying risk premiums explain labor market performance? **Journal of Financial Economics** 99 (2), 385-399.
- 2010 Li, Dongmei, and Lu Zhang, Does *q*-theory with investment frictions explain anomalies in the cross-section of returns? **Journal of Financial Economics** 98 (2), 297-314.
- Wu, Jin (Ginger), Lu Zhang, and X. Frank Zhang, The *q*-theory approach to understanding the accrual anomaly, **Journal of Accounting Research** 48 (1), 177-223.
- 2009 Liu, Laura Xiaolei, Toni M. Whited, and Lu Zhang, Investment-based expected stock returns, **Journal of Political Economy** 117 (6), 1105-1139.
- Li, Erica X. N., Dmitry Livdan, and Lu Zhang, Anomalies, Review of Financial Studies 22 (11), 4301-4334. Lead article.
- 2009 Livdan, Dmitry, Horacio Sapriza, and Lu Zhang, Financially constrained stock returns, **Journal of Finance** 64 (4), 1827-1862.
- Liu, Laura Xiaolei, and Lu Zhang, Momentum profits, factor pricing, and macroeconomic risk, **Review of Financial Studies** 21 (6), 2417-2448.
- Lyandres, Evgeny, Le Sun, and Lu Zhang, The new issues puzzle: Testing the investment-based explanation, Review of Financial Studies 21 (6), 2825-2855.
 Runner-up for Barclays Global Investors Award for the Best Conference Paper at the 2005 European Finance Association Annual Meetings
- Liu, Naiping, and Lu Zhang, Is the value spread a useful predictor of returns?

 Journal of Financial Markets 11 (3), 199-227. Lead article.
- 2008 Campello, Murillo, Long Chen, and Lu Zhang, Expected returns, yield spreads, and asset pricing tests, **Review of Financial Studies** 21 (3), 1297-1338.
- 2008 Chen, Long, Ralitsa Petkova, and Lu Zhang, The expected value premium, **Journal** of Financial Economics 87 (2), 269-280.
- 2006 Gomes, Joao F., Amir Yaron, and Lu Zhang, Asset pricing implications of firms' financing constraints, **Review of Financial Studies** 19 (4), 1321-1356.
- Petkova, Ralitsa, and Lu Zhang, Is value riskier than growth? **Journal of Financial Economics** 78 (1), 187-202. Featured in Bodie, Kane, and Marcus's *Investments* since 2006 (7e).
- Zhang, Lu, The value premium, **Journal of Finance** 60 (1), 67-103. First Prize, the Smith-Breeden Award for Best Paper in 2005, the American Finance Association and Journal of Finance. Featured in Bodie, Kane, and Marcus's *Investments* since 2006 (7e). The fourth most cited article in the literature on anomalies and fundamental

analysis since 2000 with the highest average citations per year (Richardson, Tuna, and Wysocki, 2010, Journal of Accounting and Economics). One of the 25 most cited articles in Journal of Finance since 2004.

- 2004 Brandt, Michael W., Qi Zeng, and Lu Zhang, Equilibrium stock return dynamics under alternative rules of learning about hidden states, **Journal of Economic Dynamics** and **Control** 28 (10), 1925-1954. Lead article.
- Gomes, Joao F., Amir Yaron, and Lu Zhang, Asset prices and business cycles with costly external finance, **Review of Economic Dynamics** 6 (4), 767-788.
- 2003 Gomes, Joao F., Leonid Kogan, and Lu Zhang, Equilibrium cross section of returns, Journal of Political Economy 111 (4), 693-732. Lead article. Reprinted in "Stephen A. Ross, Mentor: Influence Through Generations," ed. Mark Grinblatt, McGraw-Hill Irwin, 2008

Working Papers

Bai, Hang, Erica X. N. Li, Chen Xue, and Lu Zhang, 2024, Asymmetric investment rates

Bai, Hang, Erica X. N. Li, Chen Xue, and Lu Zhang, 2023, Firm-level irreversibility

Goncalves, Andrei S., Yicheng Liu, Chen Xue, and Lu Zhang, 2023, Investment-based costs of equity

Zhang, Lu, 2005, Anomalies, NBER working paper 11322, permanent working paper, runnerup, Best Paper Award at the 2005 Utah Winter Finance Conference

Monograph in Progress

Zhang, Lu, Corporate asset pricing

Selected Interviews and Media Impact

Lu Zhang on the evolution of asset pricing models and his first principles approach to improve them, Validea Guru Investor Blog, 11/22/2021

5 surprising things we learned from a factor investing expert, by Wes Gray, Alpha Architect Blog, 6/11/2020

Lu Zhang on the investment CAPM: Latest developments, Financial Markets and Corporate Decisions Conference 2019, Swedish House of Finance, Stockholm, Sweden, 8/28/2019

Five questions: An academic look at factors with Lu Zhang, Validea Guru Investor Blog, 4/24/2019

Professor has some questions about your index funds, by Nir Kaissar, Bloomberg, 12/24/2018

Factor investing insights you won't hear from Fama and French, my interview with Wes Gray, Alpha Architect Blog, 7/25/2018

A reality check on stock-market 'anomalies,' by Wes Gray, Wall Street Journal, 11/5/2017

When researchers and investors walk into a bar, the investors get hammered, by Jason Zweig, Wall Street Journal, 5/12/2017

An algorithm, an ETF and an academic study walk into a bar, by James Mackintosh, Wall Street Journal, 5/11/2017

A new paper just took a huge shot at some of the world's hottest investments, by Eric Weiner, Bloomberg, 5/8/2017

Blog: Finance colada, theinvestmentcapm.com/blog.html

Data Library: global-q.org

Teaching

Max M. Fisher College of Business, The Ohio State University

Investment Theory and Practice: MBA and SMF

Advanced Asset Pricing: PhD

Stephen M. Ross School of Business, University of Michigan

Derivative Securities: BBA

Capital Markets and Investment Strategy: MBA

Empirical Methodology in Finance: PhD

William E. Simon Graduate School of Business Administration, University of Rochester

Investments: MBA

Corporate Finance: MBA

Advanced Topics in Capital Markets: PhD

Professional Activities

Professional Leadership

China Finance Review International, International Editorial Advisory Board, 2017-present Critical Finance Review, Associate Editor, 2010-present

European Financial Management, Associate Editor, 2017-present. Guest Editor, Special Issue on "Corporate Policies and Asset Prices"

Finance Research Letters, Associate Editor, 2013-present

Financial Management, Associate Editor, 2009-2011

Journal of Banking and Finance, Associate Editor, 2015-present

Journal of Financial and Quantitative Analysis, Associate Editor, 2011-present

Journal of Financial Economics, Associate Editor, 2011-present

Management Science, Associate Editor, 2009-2012

Quarterly Journal of Accounting and Finance, Advisory Editor, 2015-present

Review of Financial Studies, Associate Editor, 2009-2012

Service Leadership

Macro Finance Society: Founding President (2012-2013), Board of Directors (2012-2014)

American Finance Association: Nominating Committee (2013)

The Ohio State University: Department of Finance Executive Committee (2011-2018, 2021), Fisher College Promotion and Tenure Committee (2012-2016), both elected by faculty; FTMBA Reimaging Committee, 2023

University of Michigan: Finance Area Chair (2009-2010), Chair of Investments Curriculum Task Force (2008-2009), Ross School of Business Community Values Committee (2007-2008)

Ph.D. Students Supervised (First Placement)

2026	Yicheng Liu. In progress
2025	Cynthia Yin. In progress
2023	Byungwook Kim. University of California, Irvine
2023	Richard Ogden. Rowan University
2019	Zhengyu Cao. University of International Business and Economics (UIBE)
2019	Spencer Couts. University of Southern California, Sol Price School of Public Policy
2018	Mengmeng (Mike) Dong. University of California, Riverside
2018	Andrei S. Goncalves. University of North Carolina, Chapel Hill
2017	Ivan Alfaro. BI Norwegian Business School
2016	Hang Bai. University of Connecticut
2015	Woo Hwa Koh. Korea Advanced Institute of Science and Technology (KAIST)
2014	Andrew Y. Chen. Federal Reserve Board
2012	Chen Xue. University of Cincinnati
2009	Ryan Israelsen. Indiana University
2008	Xiaoji Lin. London School of Economics
2007	Erica Xuenan Li. University of Michigan, Ann Arbor
2005	Laura Xiaolei Liu. Hong Kong University of Science and Technology
2005	Horacio Sapriza. Rutgers Business School
2003	Ralitsa Petkova. Case Western Reserve University

Professional Affiliations

American Economic Association. The Econometric Society.

American Finance Association. Western Finance Association. Macro Finance Society

Biography

Dr. Lu Zhang is The John W. Galbreath Chair of Finance, Professor of Finance, at Fisher College of Business, The Ohio State University, as well as Research Associate at National Bureau of Economic Research (Asset Pricing program) and Associate Editor for Journal of Financial Economics and Journal of Financial and Quantitative Analysis. He is Founding President of Macro Finance Society, an international academic society aimed to advance and disseminate high-quality research at the intersection of finance and macroeconomics. Before

joining Ohio State in 2010, he taught at Ross School of Business at University of Michigan and Simon School of Business at University of Rochester.

Dr. Zhang's research focuses on asset pricing. His major contribution is "The investment CAPM," which provides a unified conceptual framework for explaining asset pricing anomalies. As its empirical implementation, the *q*-factor model is a leading workhorse factor model in both academia and asset management industry. His theoretical work on "Endogenous disasters" shows how labor market frictions can give rise to economic disasters. Dr. Zhang has published extensively at prestigious academic journals. His Wharton doctoral thesis "The value premium" won the Smith-Breeden Award for Best Paper for 2005 from American Finance Association and Journal of Finance. His article "Which factors?" (with Hou, Mo, and Xue) won the 2019 Spängler IQAM Best Paper Prize for the best investments paper published in Review of Finance from European Finance Association. His research articles have been featured in prominent media outlets, such as Bloomberg, Financial Times, Shanghai Financial News, The Economist, The Washington Post, and Wall Street Journal.

Dr. Zhang has extensive teaching experience at the undergraduate, M.B.A., and Ph.D. levels. He has taught Investment Management, Derivative Securities, Capital Markets and Investment Strategy, Corporate Finance, Theory of Finance, and Advanced Asset Pricing. In 2015, he was voted the Outstanding Working Professional MBA Elective Faculty Award recipient by part time MBA students at Fisher College of Business, The Ohio State University.

Jiangxi University of Finance and Economics, B.A. in Economics, 1993. PBC School of Finance, Tsinghua University (formerly the Graduate School of the People's Bank of China), M.S. in Finance, 1996. Washington University in St. Louis, M.A. in Economics, 1997. The Wharton School, University of Pennsylvania, M.A. in Finance, 2000, Ph.D. in Finance, 2002.

Married to Yiqing Zhang. Two cats: Kiddy, Mashou. Two parrots: Greenie, Mango

Practical Impact

Lu Zhang on the evolution of asset pricing models and his first principles approach to improve them, validea.com, 11/22/2021

Quantitative vs. fundamental analysis: Finance's 60 year schism, Rafael Resendes, The market, 8/23/2021

What happened to price-to-book ratio in value investing? Nir Kaissar, Bloomberg, 7/21/2021
Amazon and other tech giants buck the empire trap, Nir Kaissar, Bloomberg, 6/3/2021
Building a better q-factor asset pricing model, Larry Swedroe, alpha architect blog, 4/22/2021
Rafael Resendes on intrinsic value, economic margin and how some value models have lost their way, Excess Returns Podcast, Jack Forehand and Justin Carbonneau, 3/25/2021
Academic research spotlight: Replicating anomalies by Lu Zhang, Chen Xue, and Kewei Hou, Excess Returns Podcast, Jack Forehand and Justin Carbonneau, 3/1/2021
Replication failures of asset pricing anomalies, Quantitative investing and machine learning, in

Chinese, 2/3/2021 Stocks 2020: A stunning crash, then a record-setting boom created centibillionares, Jim Zarroli, npr.org, 12/31/2020

Has the size premium disappeared? Larry Swedroe, advisorperspectives.com, 11/30/2020 Who buys lottery stocks? You'll be surprised, Larry Swedroe, advisorperspectives.com, 10/20/2020

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Few precedents for grim US jobless numbers, Brooke Fox and Steven Bernard, Financial
                                                                            Times, 5/9/2020
        Unemployment worst since Depression era, Heather Long and Andrew Van Dam, The
                                                                 Washington Post, 5/9/2020
   U.S. unemployment rate soars to 14.7 percent, the worst since the Depression era, Heather
                                                       Long, The Washington Post, 5/8/2020
      New research to identify which stocks will "crash," Larry Swedroe, Advisor Perspectives,
                                                                                  3/16/2020
   Do financially constrained firms generate higher returns? Filippo Ippolito, LinkedIn, 2/7/2020
   The q-factor model for equity returns, Ralph Sueppel, Systemic Risk and Systematic Value,
                                                                                  1/25/2020
          Another take on a-factors and investment CAPM, Tyler Cowen, Marginal Revolution,
                                                                                 12/14/2019
               g-factors and investment CAPM, Tyler Cowen, Marginal Revolution, 12/13/2019
    The investment premium: Another factor of expected returns, Murray Coleman, Index Fund
                                                                        Advisors, 12/3/2019
      The investment factor and expected returns, Larry Swedroe, alpha architect, 11/14/2019
      Investment, expected investment, and expected stock returns, Lu Zhang, alpha architect,
                                                                                 11/12/2019
Factors war: Prof. Lu Zhang answers 5 questions on the q-factor model, 新全球资产配置, 虎嗅网,
                                                                                  9/12/2019
   Lu Zhang: "The investment CAPM: Latest developments," Financial Markets and Corporate
                 Decisions Conference 2019, Swedish House of Finance, YouTube, 8/28/2019
    From "Factor Zoo" to "Factor War," where is empirical asset pricing going? 石川, 7/10/2019
    Does leverage explain the investment premium? Larry Swedroe, alpha architect, 6/13/2019
       The mystery of the missing Berkshire Hathaway invite, Richard Teitelbaum, Institutional
                                                                          Investor, 5/7/2019
                     Deep dive into the value factor, Larry Swedroe, alpha architect, 5/2/2019
      3 tips to generate alpha in smaller stocks, Kurtis Hemmerling, Seeking Alpha, 4/25/2019
     Five questions: An academic look at factors with Lu Zhang, Validea's Guru Investor Blog,
                                             4/21/2019, ETF trends, Fox Business, 4/24/2019
   The devil in the details: Craftsmanship of multifactor strategies, wallstreetcn.com, 4/11/2019
 Factor investing from the perspectives of academics, managers, and investors, 知乎, 4/4/2019
                             Five major issues of multifactor strategies, 华尔街见闻, 2/13/2019
                     Understanding the investment factor, ETF.com, Larry Swedroe, 2/6/2019
              Which factors? Amit Goyal, Review of Finance Managing Editor's Blog, 2/5/2019
                        Factor investing: Strategies overview and return tests, 搜狐, 1/19/2019
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There's more big tech in your life than you ever know. Check out your stock portfolio. Jim

Economic intuitions behind the *q*-factors, Larry Swedroe, seekingalpha.com, 8/15/2020 Markets are more efficient than you think, Larry Swedroe, evidenceinvestor.com, 8/14/2020 Does asset growth predict stock returns? Larry Swedroe, seekingalpha.com, 7/17/2020

Opinion: Here are your odds the stock market will be higher on Dec. 31, Mark Hulbert,

The unequal impact of COVID-19: Why education matters, Mary C. Daly, Shelby R. Buckman,

5 surprising things we learned from a factor investing expert, Wesley Gray, alpha architect

Most "smart betas" are not smart, Zhijian Wu, FT Chinese, 7/9/2020

and Lily M. Seitelman, FRBSF Economic Letters, 6/29/2020

Zarroli, npr.org, 8/20/2020

MarketWatch.com, 6/30/2020

blog, 6/11/2020

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Powerful challenge to index investing, 经济日报, 1/6/2019
Voices: An unflattering truth about index funds, Nir Kaissar, financial-planning.com, 12/26/2018
   Professor has some questions about your index funds, Nir Kaissar, Bloomberg, 12/24/2018
             How to best invest in small stocks, Wall Street Journal, Wesley Gray, 12/19/2018
       These tools for picking stocks sometimes even work, Washington Post, Nir Kaissar and
                                                                    Noah Smith, 12/17/2018
 Ignored risks of factor investing, ETF.com, Vitali Kalesnik and Juhani Linnainmaa, 10/15/2018
       Most reported anomalies fail to hold up, my interview with Robeco Quarterly, 9/25/2018
            Value investing vs momentum investing: Watch out for the market's mood swings,
                                                   MoneyWeek.com, John Stepek, 8/6/2018
    Factor investing insights you won't hear from Fama and French, my interview with Wesley
                                                             Gray, alpha architect, 7/25/2018
  Are the U.S. investment rules applicable to China? Zhijian's Evidentialist Channel, 6/27/2018
                               Rediscovering size effect, ETF.com, Larry Swedroe, 6/15/2018
         Stay calm, keep going, 搜狐, PBC School of Finance, Tsinghua University, 6/14/2018
                         Factor investing customized for you, Barron's, Jack Hough, 4/6/2018
Stock buybacks are bad? What about the alternative – investment, alpha architect, Jack Vogel,
                                                                                  3/20/2018
                     Replicating anomalies in the Chinese A-share market, 新浪财经, 3/7/2018
45-year historical data and 10,000-word essay: How to allocate capital globally, 搜狐, 3/7/2018
    Dissecting value investing – What is it? Does it work? Why does it work? easymoney.com,
                                                                                  2/26/2018
   Half-century historical tests show you how to allocate capital globally, 金融界, Besides index
                                         funds, how to allocate capital, 华尔街见闻, 2/25/2018
Will a falling stock market take the job market along with it on the way down? Martha C. White,
                                                                   NBCNews.com, 2/9/2018
                                 "Factor investing" gains popularity, The Economist, 2/1/2018
           The value effect and macroeconomic risk, Larry Swedroe, alpha architect, 1/9/2018
                           Finding the source of value, ETF.com, Larry Swedroe, 11/29/2017
                 Podcast interview: The economics of value investing, Zhijian Wu, 11/13/2017
     A reality check on stock-market 'anomalies', Wesley Gray, Wall Street Journal, 11/5/2017
                        Asset type matters with factors, ETF.com, Larry Swedroe, 10/30/2017
            Want to learn more about factor investing? Read this, ValueWalk.com, 10/26/2017
      Factor investing conversation with Lu Zhang, my blog interview with Wesley Gray, alpha
                                                                       architect, 10/26/2017
   Takeaways from a non-phd who powered through a 144-page factor investing paper, alpha
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