Business Failure and Entrepreneurship: Emergence, Evolution and Future Research

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Abstract

Business failure research has been the focus of renewed interest in the entrepreneurship field. It is complex, being both a sign of economic vibrancy and the source of great individual trauma. An understanding of these complexities is important to academics, practitioners and regulators. This monograph provides a review of the literature to date. It charts the emergence of business failure research in the finance literature through to its recent development within the contemporary entrepreneurship field. The multidiscipline nature of business failure research is explored through incorporation of studies from accountancy, information systems, social psychology, general management, economics and entrepreneurship. Research on the topic is diverse; the lack of a universally accepted definition of failure coupled with the absence of an underpinning theory has resulted in an expansive range of studies. The aim of this review is to provide a comprehensive and critical review of business failure research, bridge the gap between the various perspectives, and develop a cohesive understanding of the phenomena, upon which future studies can be based.

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Introduction

Business failure research has its origins in the finance, when the establishment of commercial banks greatly increased the flow and spread of financial information in the latter half of the nineteenth century [Horrigan, 1968]. Since then it has been explored and studied by a range of disciplines with researchers using disparate methodologies and various lenses (see Beaver, 1966 — finance; Freeman et al., 1983 — sociology; Dunne et al., 1989 — economics; Moulton et al., 1996 — management; Yamakawa et al., 2015 — entrepreneurship). The most recent resurgence of interest in the subject has occurred in the past decade, with a noticeable and sustaining increase in studies related to business failure emerging from the entrepreneurship literature [see Shepherd et al., 2009b, Ucbasaran et al., 2010, Wennberg et al., 2010, Cope, 2011, Cardon et al., 2011, Mantere et al., 2013, Jenkins et al., 2014, Wolfe and Shepherd, 2015, Hsu et al., 2015]. The renewed interest on business failure within the entrepreneurship domain has led to a focus on individuals' experiences of failure [Franco and Haase, 2010, Simmons et al., 2014, Byrne and Shepherd, 2015, thus departing from the comparatively detached approaches, such as analytical modelling, that were commonplace when the topic first debuted in the finance literature.

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Interest in the topic has enriched the entrepreneurship literature and led to a more nuanced understanding of business failure [Ucbasaran et al., 2013, Wennberg and DeTienne, 2014]. However, there remain issues within the field, gathering data on such a sensitive topic is difficult. Comparability between studies is further hindered by the lack of a universally accepted definition; furthermore, the tendency amongst researchers is to select their definition based on access to data rather than scientific reasoning is concerning. This review aims to explore these issues and provide a comprehensive overview of the evolution of business failure research and key debates that have surrounded the subject over the years within the entrepreneurship literature.

This literature review organised as follows. Section 2 discusses the lack of a universally accepted definition of business failure, the difficulties that arise from this, and the way in which this has directly contributed to the limitations of quantitative studies. Furthermore, the range of definitions employed by various studies within the literature is examined in addition to the diverse methodological approaches. Section **3** charts the emergence of failure studies in the business literature, from their roots in financially driven bankruptcy prediction models to the more encompassing organisational decline models. The monograph also explores competing perspectives of business failure — deterministic and voluntaristic. These two distinct schools of thought raise compelling, albeit reductionist arguments in their exploration of the drivers of business failure.

Section 4 provides a review of the extant literature on business failure in the entrepreneurship field. The focus is on the areas of enquiry that have, thus far, dominated literature in the area. The section examines the body of knowledge on causes of, learning from, and psychological effect of failure in the context of entrepreneurship. Additionally, the literature pertaining to emotions and failure as well as recovery from failure are discussed and popular theories that accompany these subjects are considered. This section culminates in an overview of the methodological approaches that are more commonly seen in the recent literature and then discusses the way in which these approaches are comparable to previous research methods. The later part of the review is comprised of Section 5 where an overview of the limitations of current approaches to the study of business failure is presented; particular focus is given to the issues that arise from retrospective biases. Finally, Section 6 explores the future of the research topic within the entrepreneurship literature. The monograph concludes with a summary of the key arguments presented and an iteration of the importance, for both theory and practice, of sustaining and advancing business failure research.

- T. Åstebro and I. Bernhardt. Start-up financing, owner characteristics and survival. *Journal of Economics and Business*, 55:303–319, 2003.
- M. Abdelsamad and A. Kindling. Why small business fail. SAM Advanced Management Journal, 46(2):24–32, 1978.
- L. Achtenhagen. Entrepreneurial failure in Germany: Stigma or enigma. babson entrepreneurship research conference. *Frontiers of Entrepreneurship Research*, 22, 2002.
- Z. Acs and D. B. Audretsch. Innovation and Small Firms. Cambridge: MIT Press, 1990.
- P. S. Adler and S. W. Kwon. Social capital: Prospects for a new concept. Academy of Management Review, 27(1):17–40, 2002.
- R. Adler and K. Chaston. Stakeholders' perceptions of organizational decline. Accounting Forum, 26(1):31–44, 2002.
- R. R. Agarwal and M. B. Sarkar. The conditioning effect of time on firm survival: An industry life cycle approach. Academy of Management Journal, 45(5):971–994, 2002.
- R. R. Agarwal, R. Echambadi, A. M. Franco, and M. B. Sarkar. Knowledge transfer through inheritance: Spin-out generation, development and survival. Academy of Management Journal, 47(4):501–522, 2004.
- H. Aguinis and S. O. Lawal. Conducting field experiments using elancing's natural environment. *Journal of Business Venturing*, 27(4):493–505, 2012.

- H. J. Ahl and S. Marlow. Exploring the dynamics of gender, feminism and entrepreneurship: Advancing debate to escape a dead end? Organization, 19(5):543–562, 2012.
- H. E. Aldrich. Organizations and Environments. Englewood Cliffs, NJ: Prentice-Hall, 1979.
- H. E. Aldrich and C. M. Fiol. Fools rush in? The institutional context of industry creation. Academy of Management Review, 19(4):645–670, 1994.
- E. I. Altman. Financial ratios, discriminant analysis and the prediction of corporate bankruptcy. *Journal of Finance*, 23(4):589–609, 1968.
- E. I. Altman. Corporate Financial Distress and Bankruptcy. New York: John Wiley and Sons, 1993.
- E. I. Altman, R. Haldeman, and P. Narayanan. ZETA analysis: A new model to identify bankruptcy risk of corporations. *Journal of Banking* and Finance, 1(1):29–54, 1977.
- E. I. Altman, Y. H. Eom, and D. W. Kim. Failure prediction: Evidence from Korea. Journal of International Financial Management and Accounting, 6 (3):230–249, 1995.
- H. Andersen. Failure prediction of norwegian banks: A logit approach. Working Paper: Financial Markets Department, ANO 2008/2, 1-52, 2008.
- P. Anderson and M. Tushman. Organizational environments and industry exit: The effects of uncertainty, munificence and complexity. *Industrial and Corporate Change*, 10:675–711, 2001.
- S. Appetiti. Identifying unsound firms in Italy. An attempt to use trend variables. *Journal of Banking and Finance*, 8(2):269–279, 1984.
- J. Archer. The Nature of Grief: The Evolution and Psychology of Reactions to Loss. London: Routledge, 1999.
- M. Arena. Bank failures and bank fundamentals: A comparative analysis of Latin America and East Asia during the nineties using bank-level data. *Journal of Banking and Finance*, 32:299–310, 2008.
- P. Arenius and M. Minniti. Perceptual variables and nascent entrepreneurship. Small Business Economics, 24(3):233–247, 2005.
- J. Argenti. Corporate Collapse. Maidenhead: McGraw-Hill, 1976.
- A. Arora and A. Nandkumar. Cash-out or flameout! opportunity cost and entrepreneurial strategy: Theory, and evidence from the information security industry. *Management Science*, 57(10):1844–1860, 2011.

- J. D. Arthurs, R. E. Hoskisson, L. W. Busenitz, and R. A. Johnson. Managerial agents watching other agents: Multiple agency conflicts regarding underpricing in IPO firms. *Academy of Management Journal*, 51(2):277– 294, 2008.
- A. Aziz, D. C Emanuel, and G. H. Lawson. Bankruptcy prediction an investigation of cash flow based models. *Journal of Management Studies*, 25(5):419–437, 1988.
- M. A. Aziz and H. A. Dar. Predicting corporate bankruptcy: Where we stand? Corporate Governance: The International Journal of Business in Society, 6(1):18–33, 2006.
- S. Balcaen and H. Ooghe. 35 years of studies on business failure: An overview of the classical statistical methodologies and their related problems. *The British Accounting Review*, 38(1):63–93, 2006.
- S. Balcaen, S. Manigart, J. Buyze, and H. Ooghe. Firm exit after distress: Differentiating between bankruptcy, voluntary liquidation and M&A. Small Business Economics, 39:949–975, 2012.
- F. E. Balderston. Varieties of Financial Crisis. For Foundation Program for Research in University Administration. Berkeley: University of California, 1972.
- V. L. Barker. Traps in diagnosing organization failure. Journal of Business Strategy, 26(2):44–50, 2005.
- W. P. Barnett and T. L. Amburgey. Do larger organizations generate stronger competition? In J. V. Singh, editor, *Organizational Evolution: New Directions*, pages 246–248, Newbury Park, CA: Sage, 1990.
- W. P. Barnett and M. T. Hansen. The red queen in organizational evolution. Strategic Management Journal, 17(S1):139–157, 1996.
- R. A. Baron. Cognitive mechanisms in entrepreneurship: Why and when entrepreneurs think differently than other people. *Journal of Business Ven*turing, 13(4):275–294, 1998.
- R. A. Baron. The role of affect in the entrepreneurial process. Academy of Management Review, 33(2):328–340, 2008.
- T. Bates. Entrepreneur human capital inputs and small business longevity. The Review of Economics and Statistics, 25(4):752–756, 1990.
- T. Bates. A comparison of franchise and independent small business survival rates. *Small Business Economics*, 7:377–388, 1995.

- T. Bates. Analysis of young, small firms that have closed: Delineating successful from unsuccessful closures. *Journal of Business Venturing*, 20(3): 343–358, 2005.
- J. A. C. Baum and T. L. Amburgey. Organisational ecology. In J. A. C. Baum, editor, *Companion to Organisations*, 2002.
- J. A. C. Baum and J. V. Singh. Organizational niches and the dynamics of organizational mortality. *Administrative Science Quarterly*, 36:187–218, 1994.
- D. Baumann-Pauly, C. Wickert, L. J. Spence, and A. G. Scherer. Organizing corporate social responsibility in small and large firms: Size matters. *Journal of Business Ethics*, 115(4):693–705, 2013.
- P. Baumard and W. H. Starbuck. Learning from failures: Why it may not happen. Long Range Planning, 38(3):281–298, 2005.
- F. Baumeister. The psychology of action: Linking cognition and motivation to behavior. In P. M. Gollwitzer and J. A. Bargh, editors, pages 27–47. New York: Guilford Press, 1996.
- G. Beaver and P. Jennings. Competitive advantage and entrepreneurial power. Journal of Small Business and Enterprise Development, 12(1):9–23, 2005.
- W. H. Beaver. Financial ratios as predictors of failure. *Empirical Research* in Accounting, Supplement to Journal of Accounting Research, 4(3):71–111, 1966.
- W. H. Beaver, M. F. McNichols, and J. W. Rhie. Have financial statements become less informative? Evidence from the ability of financial ratios to predict bankruptcy. *Review of Accounting Studies*, 10(1):93–122, 2005.
- T. M. Begley and D. P. Boyd. Psychological characteristics associated with performance in entrepreneurial firms and smaller businesses. *Journal of Business Venturing*, 2(1):79–93, 1988.
- T. Bell. Neural nets or the logit model: A comparison of each model's ability to predict commercial bank failures. *International Journal of Intelligent Systems in Accounting, Finance and Management*, 6(3):249–264, 1997.
- M. Benz. Entrepreneurship as a non-profit-seeking activity. International Entrepreneurship and Management Journal, 5(1):23–44, 2009.
- M. Bisogno and R. De Luca. Financial distress and earnings manipulation: Evidence from Italian SMEs. Journal of Accounting and Finance, 4(1): 42–51, 2015.

- C. Boone and A. van Witteloostuijn. Industrial organization and organizational ecology: The potentials for cross-fertilization. *Organization Studies*, 16:265–298, 1995.
- J. E. Boritz, D. B. Kennedy, and A. Albuquerque. Predicting corporate failure using a neural network approach. *Intelligent Systems in Accounting*, *Finance and Management*, 4(2):95–111, 1995.
- N. S. Bosma, K. Jones, E. Autio, and J. Levie. *Global Entrepreneurship Monitor: 2007 Executive Report.* Babson College, London Business School, and Global Entrepreneurship Research Association (GERA), 2008.
- A. D. Boss and H. P. Sims Jr. Everyone fails! using emotion regulation and self-leadership for recovery. *Journal of Managerial Psychology*, 23(2):135– 150, 2008.
- L. J. Bourgeois. Strategic management and determinism. Academy of Management Review, 9(4):586–596, 1984.
- A. Bruni, S. Gherardi, and B. Poggio. Gender and Entrepreneurship: An Ethnographic Approach. London: Routledge, 2005.
- A. V. Bruno and J. K. Leidecker. Causes of new venture failure, 1960s vs. 1980s. Business Horizons, 31(6):51–56, 1988.
- R. A. Burgelman. Fading memories: A process theory of strategic business exit in dynamic environments. *Administrative Science Quarterly*, pages 24–56, 1994.
- R. A. Burgelman. A process model of strategic business exit: Implications for an evolutionary perspective on strategy. *Strategic Management Journal*, 17 (S1):193–214, 1996.
- L. W. Busenitz and J. B. Barney. Differences between entrepreneurs and managers in large organizations: Biases and heuristics in strategic decisionmaking. *Journal of Business Venturing*, 12:9–30, 1997.
- O. Byrne and D. A. Shepherd. Different strokes for different folks: Entrepreneurial narratives of emotion, cognition, and making sense of business failure. *Entrepreneurship, Theory and Practice*, 39(2):375–405, 2015.
- G. Cacciotti and J. C. Hayton. Fear and entrepreneurship: A review and research agenda. *International Journal of Management Reviews*, 17(2): 165–190, 2015.
- E. Cahill. Corporate Financial Crisis in Ireland. Dublin: Gill and Macmillan, 1997.

- M. Camacho-Miñano, M. J. Segovia-Vargas, and D. Pascual-Ezama. Which characteristics predict the survival of insolvent firms? An SME reorganization prediction model. *Journal of Small Business Management*, 53(2): 340–354, 2015.
- M. D. Cannon and A. Edmondson. Failing to learn and learning to fail (intelligently): How great organizations put failure to work to improve and innovate. Long Range Planning, 38(3):299–319, 2005.
- M. D. Cannon and A. C. Edmondson. Confronting failure: Antecedents and consequences of shared beliefs about failure in organizational work groups. *Journal of Organizational Behavior*, 22(2):161–177, 2001.
- M. S. Cardon and C. Kirk. Entrepreneurial passion as mediator of the selfefficacy to persistence relationship. *Entrepreneurship Theory and Practice*, 39(5):1027–1050, 2015.
- M. S. Cardon and R. G. McGrath. When the going gets tough... toward a psychology of entrepreneurial failure and re-motivation Babson entrepreneurship research conference. *Frontiers of Entrepreneurship Research*, 19, 1999.
- M. S. Cardon, C. Zietsma, P. Saparito, B. P. Matherne, and C. Davis. A tale of passion: New insights into entrepreneurship from a parenthood metaphor. *Journal of Business Venturing*, 20(1):23–45, 2005.
- M. S. Cardon, C. E. Stevens, and D. R. Potter. Misfortunes or mistakes? Cultural sensemaking of entrepreneurial failure. *Journal of Business Ven*turing, 26(1):79–92, 2011.
- M. S. Cardon, M. D. Foo, D. Shepherd, and J. Wiklund. Exploring the heart: Entrepreneurial emotion is a hot topic. *Entrepreneurship Theory* and Practice, 36(1):1–10, 2012.
- M. S. Cardon, D. A. Gregoire, C. E. Stevens, and P. C. Patel. Measuring entrepreneurial passion: Conceptual foundations and scale validation. *Journal of Business Venturing*, 28(3):373–396, 2013.
- G. Cassar and J. Craig. An investigation of hindsight bias in nascent venture activity. Journal of Business Venturing, 24(2):149–164, 2009.
- A. Charitou and N. Lambertides. Earnings management prior to bankruptcy. Working Paper, University of Cyprus, 2003.
- A. K. Chatterji. Spawned with a silver spoon? Entrepreneurial performance and innovation in the medical device industry. *Strategic Management Journal*, 30(2):185, 2009.
- Y. Chen and J. Konstan. Online field experiments: A selective survey of methods. Journal of the Economic Science Association, 1(1):29–42, 2015.

- S. D. Chowdhury. Turnarounds: A stage theory perspective. Canadian Journal of Administrative Sciences, 19(3):249–266, 2002.
- S. D. Chowdhury and J. R. Lang. Crisis, decline and turnaround: A test of competing hypothesis for short-term performance improvement in small firms. *Journal of Small Business Management*, 31(4):7–18, 1993.
- A. Coad. Death is not a success: Reflections on business exit. International Small Business Journal, 32(7):721–732, 2014.
- K. P. Coats and L. F. Fant. Recognising financial distress patterns using a neural network tool. *Financial Management*, 22(3):142–155, 1993.
- A. B. Cochran. Small business mortality rates, a review of the literature. Journal of Small Business Management, 19(4):50-59, 1981.
- D. E. Conroy. Fear of failure: An exemplar for social development research in sport. Quest, 53:165–183, 2001.
- J. Cope. Entrepreneurial learning and critical reflection discontinuous events as triggers for 'higher-level' learning. *Management Learning*, 34(4):429–450, 2003.
- J. Cope. Toward a dynamic learning perspective of entrepreneurship. Entrepreneurship Theory and Practice, 29(4):373–397, 2005.
- J. Cope. Entrepreneurial learning from failure: An interpretative phenomenological analysis. *Journal of Business Venturing*, 26(6):604–623, 2011.
- J. Cope, F. Cave, and S. Eccles. Attitudes of venture capital investors towards entrepreneurs with previous business failure. *Venture Capital*, 6(2–3):147– 172, 2004.
- A. Corbett, H. Neck, and D. DeTienne. How corporate entrepreneurs learn from fledgling innovation initiatives: Cognition and the development of a termination script. *Entrepreneurship Theory and Practice*, 31(6):829–852, 2007.
- D. R. Cox. Regression model and life-tables. Journal of the Royal Statistical Society, Series B34:187–202, 1972.
- J. Crocker and C. T. Wolfe. Contingencies of self-worth. Psychological Review, 108(3):593, 2001.
- N. Crutzen and D. Van Caillie. The business failure process: An integrative model of the literature. *Review of Business and Economics*, LIII(3):287– 316, 2008.
- K. Cuthbertson and J. Hudson. The determinants of compulsory liquidations in the UK. *The Manchester School*, 64(3):298–308, 1996.

- R. M. Cyert and J. G. March. Behavioral Theory of the Firm. Englewood Cliffs, NJ: Prentice-Hall, 1963.
- N. L. Damaraju, J. Barney, and G. Dess. Stigma and Entrepreneurial Risk Taking. Summer Conference, Imperial College London Business School, 2010.
- R. D'Aveni. The aftermath of organizational decline: A longitudinal study of the strategic and managerial characteristics of declining firms. Academy of Management Journal, 32(3):577–605, 1989.
- M. F. R. De Vries. The entrepreneurial personality: A person at the crossroads. Journal of Management Studies, 14(1):34–57, 1977.
- E. Deakin. A discriminant analysis of predictors of business failure. Journal of Accounting Research, 10(1):167–179, 1972.
- D. DeClerq and H. Sapienza. When do venture capital companies learn from their portfolio companies? *Entrepreneurship Theory and Practice*, 29(4): 517–535, 2005.
- F. Delmar and P. Davidsson. Where do they come from? Prevalence and characteristics of nascent entrepreneurs. *Entrepreneurship and Regional Development*, 12(1):1–23, 2000.
- G. G. Dess and D. W. Beard. Dimensions of organizational task environments. Administrative Science Quarterly, 29(1):52–73, 1984.
- D. R. DeTienne, D. A. Shepherd, and J. O. De Castro. The fallacy of "only the strong survive": The effects of extrinsic motivation on the persistence decisions for under-performing firms. *Journal of Business Venturing*, 23(5): 528–546, 2008.
- D. R. DeTienne, A. McKelvie, and G. N. Chandler. Making sense of entrepreneurial exit strategies: A typology and test. *Journal of Business Venturing*, 30(2):255–272, 2015.
- N. Dew, S. Sarasvathy, S. Read, and R. Wiltbank. Affordable loss: Behavioral economic aspects of the plunge decision. *Strategic Entrepreneurship Journal*, 3(2):105–126, 2009.
- R. L. Dillon and C. H. Tinsley. How near-misses influence decision making under risk: A missed opportunity for learning. *Management Science*, 54(8): 1425–1440, 2008.
- T. Dunne, M. J. Roberts, and L. Samuelson. Patterns of firm entry and exit in U.S. manufacturing industries. *The RAND Journal of Economics*, 19(4): 495–515, 1988.

- T. Dunne, M. J. Roberts, and L. Samuelson. The growth and failure of U.S. manufacturing plants. *Quarterly Journal of Economics*, 104(4):671–698, 1989.
- C. S. Dweck and E. L. Leggett. A socail-cognitive approach to motivation and personality. *Psychological Review*, 95(2):256–273, 1988.
- R. Efrat. The evolution of bankruptcy stigma. Theoretical Inquiries in Law, 7(2):365–393, 2006.
- J. P. Eggers and L. Song. Dealing with failure: Serial entrepreneurs and the costs of changing industries between ventures. Academy of Management Journal, 58(6):1785–1803, 2015.
- A. J. Elliot and M. A. Church. A hierarchical model of approach and avoidance achievement motivation. *Journal of Personality and Social Psychology*, 72 (1):218, 1997.
- K. Fanning and K. Cogger. A comparative analysis of artificial neural networks using financial distress prediction. *Intelligent Systems in Accounting*, *Finance and Management*, 3(4):241–252, 1994.
- G. Ferrer and N. Dew. The stigma of failure in organizations. Journal of Operations and Supply Chain Management, 3(1):15–33, 2010.
- E. M. Fich and S. L. Slezak. Can corporate governance save distressed firms from bankruptcy? An empirical analysis. *Review of Quantitative Finance* and Accounting, 30(2):225–251, 2008.
- S. Finkelstein. When bad things happen to good companies: Strategy failure and flawed executives. *Journal of Business Strategy*, 26(2):19–28, 2005.
- S. Finkelstein and D. C. Hambrick. Strategic Leadership: Top Executives and Their Effects on Organizations. Minneapolis/St. Paul: West Educational Publishing, 1996.
- P. J. Fitzpatrick. A Comparison of the Ratios of Successful Industrial Enterprises with Those of Failed Companies. Washington: The Accountants Publishing Company, 1932.
- M. D. Foo. Emotions and entrepreneurial opportunity evaluation. Entrepreneurship Theory and Practice, 35(2):375–393, 2011.
- M. Franco and H. Haase. Failure factors in small and medium-sized enterprises: Qualitative study from an attributional perspective. *International Entrepreneurship Management Journal*, 6(4):503–521, 2010.
- J. S. Frankish, R. G. Roberts, A. Coad, T. C. Spears, and D. J. Storey. Do entrepreneurs really learn? Or do they just tell us that they do? *Industrial* and Corporate Change, 22(1):73–106, 2013.

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- J. E. Fredland and C. E. Morris. A cross section analysis of small business failure. American Journal of Small Business, 1(1):7–18, 1976.
- J. H. Freeman, G. R. Carroll, and M. T. Hannan. The liability of newness: Age dependence in organizational death rates. *American Sociological Review*, 48:692–710, 1983.
- M. Frese, A. Bausch, P. Schmidt, A. Strauch, and R. Kabst. Evidence-based entrepreneurship: Cumulative science, action principles, and bridging the gap between science and practice. *Foundations and Trends in Entrepreneurship*, 8(1):1–62, 2012.
- P. Fridenson. Business failure and the agenda of business history. *Enterprise and Society*, 5(04):562–582, 2004.
- W. B. Gartner. "Who is an entrepreneur?" Is the wrong question. Entrepreneurship: Theory & Practice, 13(4):47–68, 1989.
- W. B. Gartner and S. Birley. Introduction to the special issue on qualitative methods in entrepreneurship research. *Journal of Business Venturing*, 17 (5):387–395, 2002.
- L. R. Gaskill, H. E. Van Auken, and R. A. Manning. A factor analytical study of the perceived causes of small business failure. *Journal of Small Business Management*, 31(4):18–31, 1993.
- A. S. Gerber and D. P. Green. Field experiments and natural experiments. In R. E. Goodin, editor, *The Oxford Handbook of Political Methodology*, Oxford: Oxford University Press, 2011.
- J. Gimeno, T. B. Folta, A. C. Cooper, and C. Y. Woo. Survival of the fittest? Entrepreneurial human capital and the persistence of underperforming firms. *Administrative Science Quarterly*, 42(4):750–783, 1997.
- D. A. Gioia and K. Chittipeddi. Sensemaking and sensegiving in strategic change initiation. *Strategic Management Journal*, 12(6):433–448, 1991.
- G. Gloubos and T. Grammatikos. The success of bankruptcy prediction models in Greece. *Studies in Banking and Finance*, 7:37–46, 1988.
- E. Goffman. Stigma Notes on the Management of Spoiled Identity. Reprinted 1990. London: Penguin, 1963.
- B. R. Golden. The past is the past or is it? The use retrospective accounts as indicators of past strategy. *Academy of Management Journal*, 35:848–860, 1992.
- J. A. Gray and N. McNaughton. The Neuropsychology of Anxiety: An Enquiry into the Functions of the Septo-Hippocampal System. (Oxford Psychology Series No. 33). Oxford: Oxford University Press, 2nd edition, 2000.

- S. G. Green, M. A. Welsh, and G. E. Dehler. Advocacy, performance, and threshold influence on decisions to terminate new product development. *Academy of Management Journal*, 46(4):419–434, 2003.
- J. J. Gross. The emerging field of emotion regulation: An integrative review. *Review of General Psychology*, 2(3):271, 1998.
- D. C. Hambrick. Upper echelons theory: An update. Academy of Management Review, 32(2):334–343, 2007.
- D. C. Hambrick and R. A. D'Aveni. Large corporate failures as downward spirals. Administrative Science Quarterly, 33(1):1–23, 1988.
- D. C. Hambrick and R. A. D'Aveni. Top team deterioration as part of the downward spiral of large corporate bankruptcies. *Management Science*, 38 (10):1445–1466, 1992.
- D. C. Hambrick and P. A. Mason. Upper echelons: The organization as a reflection of its top managers. *Academy of Management Review*, 9(2):193–206, 1984.
- M. T. Hannan and J. H. Freeman. The population ecology of organizations. American Journal of Sociology, 82:929–964, 1977.
- M. T. Hannan and J. H Freeman. Structural inertia and organizational change. American Sociological Review, 49:149–164, 1984.
- M. T. Hannan and J. H. Freeman. The ecology of organizational mortality: American labor unions, 1836–1985. *American Journal of Sociology*, 94(1): 25–52, 1988.
- M. T. Hannan and J. H. Freeman. Organizational Ecology. Cambridge, MA: Harvard University Press, 1989.
- G. S. Hansen and B. Wernerfelt. Determinants of firm performance: The relative importance of economic and organizational factors. *Strategic Management Journal*, 10(5):399–411, 1989.
- N. Harada. Which firms exit and why? An analysis of small firm exits in Japan. Small Business Economics, 29(4):401–414, 2007.
- S. Haswell and S. Holmes. Estimating the small business failure rate: A reappraisal. Journal of Small Business Management, pages 68–74, July 1989.
- K. T. Haynes, M. A. Hitt, and J. T. Campbell. The dark side of leadership: Towards a mid-range theory of hubris and greed in entrepreneurial contexts. *Journal of Management Studies*, 52(4):479–505, 2015a.

- K. T. Haynes, M. Josefy, and M. A. Hitt. Tipping point managers' selfinterest, greed, and altruism. *Journal of Leadership and Organizational Studies*, (online early view):1–15, 2015b.
- M. L. Hayward, W. R. Forster, S. D. Sarasvathy, and B. L. Fredrickson. Beyond hubris: How highly confident entrepreneurs rebound to venture again. *Journal of Business Venturing*, 25(6):569–578, 2010.
- B. Headd. Redefining business success: Distinguishing between closure and failure. Small Business Economics, 21(1):51–61, 2003.
- B. Hedberg. How organizations learn and unlearn? In P. C. Nystrom and W. H. Starbuck, editors, *Handbook of Organizational Design*, pages 8–27, London: Oxford University Press, 1981.
- F. Heider. The Psychology of Interpersonal Relations. New York: Wiley, 1958.
- I. Heinze. Entrepreneur sense-making of business failure. Small Enterprise Research, 20(1):21–39, 2013.
- A. D. Henderson. Firm strategy and age dependence: A contingent view of the liability of newness, adolescence and obsolescence. Administrative Science Quarterly, 44(2):281–314, 1999.
- L. Herron and R. B. Robinson. A structural model of the effects of entrepreneurial characteristics on venture performance. *Journal of Busi*ness Venturing, 8(3):281–294, 1993.
- K. M. Hmieleski and D. M. Lerner. The dark triad and nascent entrepreneurship: An examination of unproductive versus productive entrepreneurial motives. *Journal of Small Business Management*, forthcoming.
- G. Hoetker and R. Agarwal. Death hurts, but it isn't fatal: The postexit diffusion of knowledge created by innovative companies. Academy of Management Journal, 50(2):446–467, 2007.
- T. Holmes and J. A. Schmitz. Managerial tenure, business age, and small business turnover. *Journal of Labor Economics*, 14:79–99, 1996.
- J. O. Horrigan. A short history of financial ratio analysis. *The Accounting Review*, pages 284–294, April 1968.
- D. K. Hsu, J. Wiklund, and R. D. Cotton. Success, failure, and entrepreneurial reentry: An experimental assessment of the veracity of self-efficacy and prospect theory. *Entrepreneurship: Theory and Practice*, 2015.
- A. Hyytinen and P. Ilmakunnas. What distinguishes a serial entrepreneur? Industrial and Corporate Change, 16(5):793–821, 2007.

- A. Jenkins and A. McKelvie. What is entrepreneurial failure? implications for future research. *International Small Business Journal*, 34(2):176–188, 2016.
- A. S. Jenkins. After firm failure: Emotions, learning, and re-entry. Jonkoping International Business School, Jonkoping University, JIBS Dissertation Series No. 084, 2012.
- A. S. Jenkins, J. Wiklund, and E. Brundin. Individual responses to firm failure: Appraisals, grief, and the influence of prior failure experience. *Journal* of Business Venturing, 29(1):17–33, 2014.
- D. N. Jones and A. J. Figueredo. The core of darkness: Uncovering the heart of the dark triad. *European Journal of Personality*, 27(6):521–531, 2013.
- D. L. Joseph and D. A. Newman. Emotional intelligence: An integrative metaanalysis and cascading model. *Journal of Applied Psychology*, 95(1):54–78, 2010.
- R. Justo, D. R. DeTienne, and P. Sieger. Failure or voluntary exit? Reassessing the female underperformance hypothesis. *Journal of Business Venturing*, 2015.
- D. Katz and R. L. Kahn. The Social Psychology of Organizations. New York: Wiley, 1966.
- K. Keasey and R. Watson. Non-financial symptoms and the prediction of small company failure: A test of Argenti's Hypotheses. *Journal of Business Finance and Accounting*, 14(3):335–354, 1987.
- K. Keasey and R. Watson. Financial distress models: A review of their usefulness. British Journal of Management, 2(2):89–102, 1991.
- D. Kelly and T. L. Amburgey. Organisational inertia and momentum: A dynamic model of strategic change. Academy of Management Journal, 34: 591–612, 1991.
- C. R. Kennedy. Thinking of opening your own business? Be prepared! Business Horizons, 28(5):38–42, 1985.
- N. Khelil. The many faces of entrepreneurial failure: Insights from an empirical taxonomy. *Journal of Business Venturing*, 31(1):72–94, 2016.
- S. Kiesler and L. Sproull. Managerial response to changing environments: Perspectives on problem sensing from social cognition. *Administrative Science Quarterly*, 27(4):548–570, 1982.
- J. Kirkwood. Tall poppy syndrome: Implications for entrepreneurship in New Zealand. Journal of Management and Organization, 13(04):366–382, 2007.

- S. Klepper. Industry life cycle. Industrial and Corporate Change, 6:145–179, 1997.
- S. Klepper and S. Sleeper. Entry by spinoffs. *Management Science*, 51(8): 1291–1306, 2005.
- A. M. Knott and H. E. Posen. Is failure good? Strategic Management Journal, 26(7):617–641, 2005.
- S. Kotha and A. Nair. Strategy and environment as determinants of performance: Evidence from the Japanese machine tool industry. *Strategic Management Journal*, 16(7):497–518, 1995.
- M. Kramer, B. Cesinger, D. Schwarzinger, and P. Gelléri. Investigating entrepreneurs' dark personality: How narcissism, machiavellianism, and psychopathy relate to entrepreneurial intention. Paper presented at the Proceedings of the 25th ANZAM conference, 2011.
- B. Kriegesmann, T. Kley, and M. G. Schwering. Creative errors and heroic failures: Capturing their innovative potential. *Journal of Business Strategy*, 26(3):57–64, 2005.
- E. K. Laitinen. Financial ratios and different failure processes. Journal of Business, Finance and Accounting, 18:649–674, 1991.
- A. Landier. Entrepreneurship and the stigma of failure. Working Paper presented at New York University, New York, 2005.
- W. R. Lane, S. W. Looney, and J. W. Wansley. An application of the cox proportional hazards model to bank failure. *Journal of Banking and Finance*, 10:511–531, 1986.
- J. C. Latack, A. J. Kinicki, and G. E. Prussia. An integrative process model of coping with job loss. Academy of Management Review, 20(2):311–342, 1995.
- S. Lee and W. S. Choi. A multi-industry bankruptcy prediction model using back-propagation neural network and multivariate discriminant analysis. *Expert Systems with Applications*, 40(8):2941–2946, 2013.
- C. Lennox. Identifying failing companies: A re-evaluation of the logit, probit and DA approaches. *Journal of Economics and Business*, 51(4):347–364, 1999.
- J. Levie, S. Simmons, and J. Wiklund. Explaining the gender gap in reentry from business failure. Paper presented at State of the Field Entrepreneurial Exit Conference, Stockholm, Sweden, 2013.

- L. K. Libby and R. P. Eibach. Looking back in time: Self-concept change affects visual perspective in autobiographical memory. *Journal of Personality and Social Psychology*, 82:167–179, 2002.
- E. A. Locke and M. S. Taylor. Stress, coping, and the meaning of work. In A. Monat and R. S. Lazarus, editors, *Stress and coping: An Anthology*, pages 140–157, New York: Columbia University Press, 1991.
- M. Luoma and E. K. Laitinen. Survival analysis as a tool for company failure prediction. Omega International Journal of Management Science, 19(6): 673–678, 1991.
- M. Luypaert, T. VanCaneghem, and S. VanUytbergen. Financial statement filing lags: An empirical analysis among small firms. *International Small Business Journal*, 2015.
- A. Madrid-Guijarro, D. García-Pérez-de-Lema, and H. van Auken. An analysis of non-financial factors associated with financial distress. *Entrepreneurship* and Regional Development, 23(3–4):159–186, 2011.
- S. Maitlis. The social processes of organizational sensemaking. Academy of Management Journal, 48(1):21–49, 2005.
- S. Maitlis and S. Sonenshein. Sensemaking in crisis and change: Inspiration and insights from Weick. *Journal of Management Studies*, 47(3):551–580, 2010.
- M. Malone. The small business ego trap. *Business Horizons*, 47(4):17–22, 2004.
- A. C. Maltz, A.J. Shehar, and R. R. Reilly. Beyond the balanced scorecard: Refining the search for organizational success measures. *Long Range Planning*, 36(2):187–204, 2003.
- C. Mandl, E. S. Berger, and A. Kuckertz. Do you plead guilty? Exploring entrepreneurs' sensemaking-behavior link after business failure. *Journal of Business Venturing Insights*, 5:9–13, 2016.
- S. Mantere, P. Aula, H. Schildt, and E. Vaara. Narrative attributions of entrepreneurial failure. *Journal of Business Venturing*, 28(4):459–473, 2013.
- S. Marlow and M. McAdam. Incubation or induction? Gendered identity work in the context of technology business incubation. *Entrepreneurship Theory* and Practice, 39(4):791–816, 2015.
- D. Martin. Early warning of bank failure: A logit regression approach. Journal of Banking and Finance, 1(3):249–276, 1997.
- C. Mathieu and É. St-Jean. Entrepreneurial personality: The role of narcissism. Personality and Individual Differences, 55(5):527–531, 2013.

- R. G. McGrath. Falling forward: Real options reasoning and entrepreneurial failure. Academy of Management Review, 24(1):13–30, 1999.
- R. G. McGrath and M. Cardon. Entrepreneurship and the functionality of failure. In Seventh Annual Global Entrepreneurship Research Conference, Canada: Montreal, 1997.
- K. Mellahi. The dynamics of boards of directors in failing organisations. Long Range Planning, 38(3):261–279, 2005.
- K. Mellahi and A. Wilkinson. Organizational failure: A critique of recent research and a proposed integrative framework. *International Journal of Management Reviews*, 5/6(1):21–41, 2004.
- C. L. Merwin. Financing Small Corporations: In Five Manufacturing Industries, 1926–1936. New York: National Bureau of Economic Research, 1942.
- G. Metzger. Once bitten, twice shy? The performance of entrepreneurial restarts. ZEW Discussion Paper No. 06-083. Mannheim, 2006.
- G. Metzger. Personal experience: A most vicious and limited circle!? ZEW Discussion Papers No. 07-046. Mannheim, 2007.
- J. P. Meyer, N. J. Allen, and C. A. Smith. Commitment to organizations and occupations: Extension and test of a three-component conceptualization. *Journal of Applied Psychology*, 78(4):538–551, 1993.
- D. Miller. Common syndromes of business failure. Business Horizons, 20(6): 43–53, 1977.
- D. Miller. The icarus paradox: How exceptional companies bring about their own downfall. Business Horizons, 35(1):24–35, 1992.
- T. W. Miller, B. C. Ogilvie, and J. Branch. Sport psychology consultation: The influence of gender on learning style. *Consulting Psychology Journal: Practice and Research*, 60(3):279–285, 2008.
- M. Minniti and W. Bygrave. A dynamic model of entrepreneurial learning. Entrepreneurship Theory and Practice, 25(3):5–16, 2001.
- M. Minniti and C. Nardone. Being in someone else's shoes: The role of gender in nascent entrepreneurship. *Small Business Economics*, 28(2–3):223–238, 2007.
- J. R. Mitchell and D. A. Shepherd. To thine own self be true: Images of self, images of opportunity, and entrepreneurial action. *Journal of Business Venturing*, 25(1):138–154, 2010.
- J. R. Mitchell and D. A. Shepherd. Afraid of opportunity: The effects of fear of failure on entrepreneurial action. Babson entrepreneurship research conference. *Frontiers of Entrepreneurship Research*, 31(6), 2011.

- M. A. Mone, W. McKinley, and V. L. Barker. Organizational decline and innovation: A contingency framework. Academy of Management Review, 23:115–132, 1998.
- J. Morgan and D. Sisak. Aspiring to succeed: A model of entrepreneurship and fear of failure. *Journal of Business Venturing*, 31(1):1–21, 2016.
- D. Moses and S. S. Liao. On developing models for failure prediction. Journal of Commercial Bank Lending, 69:27–38, 1987.
- W. Moulton, H. Thomas, and M. Pruett. Business failure pathways: Environmental stress and organisational response. *Journal of Management*, 22(4): 571–595, 1996.
- O. H. Mowrer. Stimulus response theory of anxiety. *Psychological Review*, 46: 553–565, 1939.
- C. Y. Murnieks, E. Mosakowski, and M. S. Cardon. Pathways of passion: Identity centrality, passion, and behavior among entrepreneurs. *Journal of Management*, 40(6):1583–1606, 2014.
- K. Nielsen and S. D. Sarasvathy. Passive and active learning from entrepreneurship. an empirical study of re-entry and survival. DRUID Working Paper No. 11–12. Aalborg, Denmark, 2011.
- K. Łobos and M. Szewczyk. Survival analysis: A case study of micro and small enterprises in Dolnoślaskie and Voivodship (Poland). *Central European Review of Economic Issues Economická Revue*, 15(4):207–216, 2012.
- J. A. Ohlson. Financial ratios and the probabilistic prediction of bankruptcy. *Journal of Accounting Research*, 18(1):109–131, 1980.
- C. O'Kane and J. Cunningham. Leadership changes and approaches during company turnaround. *International Studies of Management and Organiza*tion, 42(4SI):52–85, 2013.
- C. O'Kane and J. Cunningham. Turnaround leadership core tensions during the company turnaround process. *European Management Journal*, 32(6): 963–980, 2014.
- D. L. Olson, D. Delen, and Y. Meng. Comparative analysis of data mining methods for bankruptcy prediction. *Decision Support Systems*, 52:464–473, 2012.
- H. Ooghe and S. DePrijcker. Failure process and causes of company bankruptcy: A typology. *Management Decision*, 46(2):223–242, 2008.
- H. Ooghe and E. Verbaere. Predicting business failure on the basis of accounting data: The Belgian experience. *The International Journal of Accounting*, 9(2):19–44, 1985.

- H. Ooghe, P. Joos, and C. DeBourdeaudhuij. Failure distress models in belgium: The results of a decade of empirical research. *International Journal* of Accounting, 30:245–274, 1995.
- P. Ormerod. Why Most Things Fail. Evolution, Extinction and Economics. London: Faber and Faber, 2005.
- T. Petzinger. The front lines: She failed. so what? An entrepreneur finds her prestige rising. *Wall Street Journal*, page B1, October 31 1997.
- J. Pfeffer. Barriers to the advance of organizational science: Paradigm development as a dependent variable. Academy of Management Review, 18(4): 599–620, 1993.
- D. J. Phillips. A genealogical approach to organi- zational life chances: The parent-progeny transfer among Silicon Valley law firms, 1946–1996. Administrative Science Quarterly, 47:474–506, 2002.
- J. L. Pierce, T. Kostova, and K. T. Dirks. Toward a theory of psychological ownership in organizations. Academy of Management Review, 26(2):298– 310, 2001.
- L. Pittaway and R. Thorpe. A framework for entrepreneurial learning: A tribute to Jason Cope. Entrepreneurship and Regional Development, 24 (9–10):837–859, 2012.
- G. Pitts. Life as an entrepreneur: Leadership and learning. Development and Learning in Organizations, 22(3):16–17, 2008.
- P. Poutziouris, F. Chittenden, N. Michaelas, and R. Oakey. Taxation and the performance of technology based small firms in the U.K. *Small Business Economics*, 14(1):11–36, 2000.
- M. Pretorius. Defining business decline, failure and turnaround: A content analysis. South African Journal of Entrepreneurship and Small Management, 2(10):1–16, 2009.
- E. Pronin and L. Ross. Temporal differences in trait self ascription: When the self is seen as an other. *Journal of Personality and Social Psychology*, 90:197–209, 2006.
- A. Rauch and M. Frese. Psychological approaches to entrepreneurial success: A general model and an overview of findings. *International Review of Industrial and Organizational Psychology*, 15:101–142, 2000.
- A. Rauch and M. Frese. Let's put the person back into entrepreneurship research: A meta-analysis on the relationship between business owners' personality traits, business creation, and success. *European Journal of Work and Organizational Psychology*, 16(4):353–385, 2007.

- A. Rauch and I. Hatak. The Dark Side of Entrepreneurship: Applying Reinforcement Sensitivity Theory to Explain Entrepreneurial Behavior. Boston Park, USA, 2015.
- T. Reay, W. Berta, and M. K. Kohn. What's the evidence on evidence-based management. Academy of Management Perspectives, 23(5, 6):5–18, 2009.
- B. Richardson, S. Nwankwo, and S. Richardson. Understanding the causes of business type failures: Generic failure types: Boiled frogs, drowned frogs, bullfrogs and tadpoles. *Management Decision*, 32(4):9–22, 1994.
- A. Riviezzo, M. Skippari, and A. Garofano. Who wants to live forever: Exploring 30 years of research on business longevity. *Business History*, pages 1–18, 2015.
- A. M. Robb and J. Watson. Gender differences in firm performance: Evidence from new ventures in the United States. *Journal of Business Venturing*, 27 (5):544–558, 2012.
- E. G. Rogoff, M. S. Lee, and D. C. Suh. "Who done it?" attributions by entrepreneurs and experts of the factors that cause and impede small business success. *Journal of Small Business Management*, 42:364–376, 2004.
- E. Ronningstam and A. R. Baskin-Sommers. Fear and decision-making in narcissistic personality disorder — a link between psychoanalysis and neuroscience. *Dialogues in Clinical Neuroscience*, 15(2):191, 2013.
- R. Ronstadt. Exit, stage left: Why entrepreneurs end their entrepreneurial careers before retirement. *Journal of Business Venturing*, 1(3):323–338, 1986.
- R. Rosner. Earnings manipulation in failing firms. Contemporary Accounting Research, 20(2):361–408, 2003.
- W. G. Rowe. Creating wealth in organizations: The role of strategic leadership. Academy of Management Perspectives, 15(1):81–94, 2001.
- I. Royer. Why bad projects are so hard to kill. Harvard Business Review, 81 (2):48–57, 2003.
- S. D. Sarasvathy. The questions we ask and the questions we care about: Reformulating some problems in entrepreneurship research. *Journal of Business Venturing*, 19(5):707–717, 2004.
- S. D. Sarasvathy and A. Menon. Failing firms and successful entrepreneurs: Serial entrepreneurship as a temporal portfolio. Working Paper RH Smith School of Business, University of Maryland, 2003.

- T. A. Scandura and E. A. Williams. Research methodology in management: Current practices, trends, and implications for future research. Academy of Management Journal, 43(6):1248–1264, 2000.
- D. E. Schendel and G. R. Patton. Corporate stagnations and turnaround. Journal of Economics and Business, 28(3):236–241, 1976.
- P. J. H. Schoemaker and R. E. Gunther. The wisdom of deliberate mistakes. *Harvard Business Review*, 84(6):108–115, 2006.
- P. R. Schulman. The 'logic' of organizational irrationality. Administration and Society, 21:31–33, 1989.
- J. Schumpeter. *Capitalism, Socialism and Democracy.* New York: Harper and Brothers, 1942.
- J. Scott. The probability of bankruptcy: A comparison of empirical predictions and theoretical models. *The Journal Banking and Finance*, 5(3):317–344, 1981.
- W. R. Scott. Organizations: Rational, Natural and Open Systems. New York: Prentice Hall, 4th ed. edition, 1992.
- M. Seligman. *Learned optimism: How to change your mind and your life*. New York: Random House, 2006.
- S. Sharma and V. Mahajan. Early warning indicators of business failure. Journal of Marketing, 44(4):80–89, 1980.
- S. Sheehan. Complusory liquidation. Retrieved from http://www. cpaireland.ie/students/study-support/professional-1/p1corporate-laws-governance/p1-coporate-laws-governancearticles{#}sthash.6oVG5Fk0.dpuf, 2014.
- D. A. Shepherd. Learning from business failure: Propositions of grief recovery for the self-employed. Academy of Management Review, 28(2):318–328, 2003.
- D. A. Shepherd. Educating entrepreneurship students about emotion and learning from failure. Academy of Management Learning & Education, 3 (3):274–287, 2004.
- D. A. Shepherd. Lemons to Lemonade: Squeezing the Most out of your Mistakes. Wharton School Press, 2009a.
- D. A. Shepherd. Grief recovery from the loss of a family business: A multiand meso-level theory. *Journal of Business Venturing*, 24(1):81–97, 2009b.
- D. A. Shepherd and M. S. Cardon. Negative emotional reactions to project failure and the self-compassion to learn from the experience. *Journal of Management Studies*, 46(6):923–949, 2009.

- D. A. Shepherd and D. F. Kuratko. The death of an innovative project: How grief recovery enhances learning. *Business Horizons*, 52(5):451–458, 2009.
- D. A. Shepherd and J. Wiklund. Successes and failures at research on business failure and learning from it. Foundations and Trends in Entrepreneurship, 2(5):1–35, 2006.
- D. A. Shepherd and M. T. Wolfe. Entrepreneurial grief. Wiley Encyclopedia of Management, 2014.
- D. A. Shepherd, J. G. Covin, and D. F. Kuratko. Project failure from corporate entrepreneurship: Managing the grief process. *Journal of Business Venturing*, 24(6):588–600, 2009a.
- D. A. Shepherd, J. Wiklund, and M. J. Haynie. Moving forward: Balancing the financial and emotional costs of business failure. *Journal of Business Venturing*, 24(2):134–148, 2009b.
- D. A. Shepherd, H. Patzelt, and M. Wolfe. Moving forward from project failure: Negative emotions, affective commitment, and learning from the experience. *Academy of Management Journal*, 54(6):1229–1259, 2011.
- J. P. Sheppard. A resource dependence approach to organizational failure. Social Science Research, 24:28–62, 1995.
- J. P. Sheppard and S. D. Chowdhury. Riding the wrong wave: Organizational failure as a failed turnaround. Long Range Planning, 38(3):239–260, 2005.
- J. Sheth and R. Sisodia. Why good companies fail. European Business Forum, 22(Autumn):24–30, 2005.
- S. Simmons and J. Wiklund. Are female entrepreneurs resilient to the stigma of entrepreneurial failure? Babson entrepreneurship research conference. *Frontiers of Entrepreneurship Research*, 31, 2011.
- S. A. Simmons, J. Wiklund, and J. Levie. Stigma and business failure: Implications for entrepreneurs' career choices. *Small Business Economics*, 42(3): 485–505, 2014.
- J. V. Singh. Density dependence theory current issues, future promise: Review essay on dynamics of organizational populations by Hannan, M. T. and Carroll, G. R. American Journal of Sociology, 99:464–473, 1993.
- S. Singh, P. Corner, and K. Pavlovich. Coping with entrepreneurial failure. Journal of Management and Organization, 13(04):331–344, 2007.
- S. Singh, P. Corner, and K. Pavlovich. Failed, not finished: A narrative approach to understanding venture failure stigmatization. *Journal of Busi*ness Venturing, 30(1):150–166, 2015.

- K. Skogsvik. Current cost accounting ratios as predictors of business failure: The Swedish case. *Journal of Business Finance and Accounting*, 17(1): 137–160, 1990.
- R. F. Smith and A. H. Winakor. Changes in the Financial Structure of Unsuccessful Corporations. Bulletin No. 51, Urbana, IL.: University of Illinois, Bureau of Business Research, 1935.
- P. Spicker. Stigma and Social Welfare. Taylor & Francis, 1984.
- W. H. Starbuck, A. Greve, and B. L. T. Hedberg. Responding to crisis. Journal of Business Administration, 9:111–137, 1978.
- B. Staw, L. Sandelands, and J. E. Dutton. Threat-rigidity cycles in organizational behavior: A multi-level analysis. *Administrative Science Quarterly*, 26:501–524, 1981.
- A. L. Stinchcombe. Social structures and organizations. In J. G. March, editor, *Handbook of Organizations*, pages 149–193, Chicago, IL: Rand McNally, 1965.
- D. Stokes and R. Blackburn. Learning the hard way: The lessons of ownermanagers who have closed their businesses. *Journal of Small Business and Enterprise Development*, 9(1):17–27, 2002.
- D. J. Storey, K. Keasey, R. Watson, and P. Wynarczyk. The Performance of Small Firms. London: Croom-Helm Ltd, 1987.
- H. Strotmann. Entrepreneurial survival. Small Business Economics, 28(1): 87–104, 2007.
- J. Sun, H. Li, Q. H. Huang, and K. Y. He. Predicting financial distress and corporate failure: A review from the state-of-the-art definitions, modelling, sampling, and featuring approaches. *Knowledge-Based Systems*, 57:41–56, 2014.
- J. Sutton. Sunk Costs and Market Structure. Cambridge, MA: MIT Press, 1991.
- R. I. Sutton and A. L. Callahan. The stigma of bankruptcy: Spoiled organizational image and its management. Academy of Management Journal, 30 (3):405–436, 1987.
- M. Tamari. Financial ratios as a means of forecasting bankruptcy. Management International Review, 6(4):15–21, 1966.
- D. Tavares Machado. Exit strategies of portuguese start-ups (unpublished master's thesis, lisbon school of economics and management, portugal). Retrieved from https://aquila1.iseg.ulisboa.pt/aquila/ getFile.do?fileId=526292{&}method=getFile, 2014.

- H. Tezuka. Success as the source of failure? Competition and cooperation in the Japanese economy. *Sloan Management Review*, 38(2):83–89, 1997.
- P. Theodossiou. Alternative models for assessing the financial condition of business in Greece. Journal of Business Finance and Accounting, 18(5): 697–720, 1991.
- J. B. Thomas, S. M. Clark, and D. A. Gioia. Strategic sensemaking and organizational performance: Linkages among scanning, interpretation, action, and outcomes. Academy of Management Journal, 36:239–270, 1993.
- S. Thorgren and J. Wincent. Passion and habitual entrepreneurship. International Small Business Journal, 33(2):216–227, 2015.
- M. L. Thorne. Interpreting corporate transformation through failure. Management Decision, 38(5/6):305-314, 2000.
- C. H. Tinsley, R. L. Dillon, and P. M. Madsen. How to avoid catastrophe. *Harvard Business Review*, 89(4):90–97, 2011.
- R. Toft-Kehler, K. Wennberg, and P. H. Kim. Practice makes perfect: Entrepreneurial-experience curves and venture performance. *Journal of Business Venturing*, 29(4):453–470, 2014.
- M. Tushman and L. Rosenkopf. On the organizational determinants of technological change: Towards a sociology of technological evolution. In B. Staw and L. Cummings, editors, *Research in Organization Behavior*, Greenwich, Conn: JAI Press, 1992.
- M. L. Tushman and P. Anderson. Technological discontinuities and organizational environments. *Administrative Science Quarterly*, pages 439–465, 1986.
- D. Ucbasaran, M. Wright, P. Westhead, and L. Busenitz. The impact of entrepreneurial experience on opportunity identification and exploitation: Habitual and novice entrepreneurs. Advances in Entrepreneurship, Firm Emergence and Growth, 6:231–263, 2003.
- D. Ucbasaran, P. Westhead, and M. Wright. *Habitual Entrepreneurs*. Aldershot: Edward Elgar, 2006.
- D. Ucbasaran, P. Westhead, M. Wright, and M. Flores. The nature of entrepreneurial experience, business failure and comparative optimism. *Journal of Business Venturing*, 25(6):541–555, 2010.
- D. Ucbasaran, D. A. Shepherd, A. Lockett, and S. J. Lyon. Life after business failure: The process and consequences of business failure for entrepreneurs. *Journal of Management*, 39(1):163–202, 2013.

- M. J. Ulmer and A. Nielsen. Business turn-over and causes of failure. Survey of Current Business, pages 10–16, April 1947.
- D. Ulrich. The population perspective: Review, critique, and relevance. Human Relations, 40(3):137–151, 1987.
- R. J. Vallerand. The role of passion in sustainable psychological well-being. Psychology of Well-being, 2(1):1–21, 2012.
- R. J. Vallerand, C. Blanchard, G. A. Mageau, R. Koestner, C. Ratelle, M. Leonard, M. Gagne, and J. Marsolais. Les passions de l'âme: On obsessive and harmonious passion. *Journal of Personality and Social Psychology*, 85(4):756–767, 2003.
- H. Van Auken, J. Kaufmann, and P. Herrmann. An empirical analysis of the relationship between capital acquisition and bankruptcy laws. *Journal of Small Business Management*, 47(1):23–37, 2009.
- C. Van Dyck, M. Frese, M. Baer, and S. Sonnentag. Organizational error management culture and its impact on performance: A two study replication. *Journal of Applied Psychology*, 90(6):1228–1240, 2005.
- J. A. Wagner, III and R. Z. Gooding. Equivocal information and attribution: An investigation of patterns of managerial sensemaking. *Strategic Management Journal*, 18:275–286, 1997.
- J. Wajcman. Technofeminism. U.K.: Polity Press, Cambridge, 2004.
- S. Walby, H. Gottfried, K. Gottshall, and M. Osawa. Gendering the Knowledge Economy. London: Palgrave, 2009.
- G. Walsh and J. Cunningham. The effects of identification by the entrepreneurs to the firm versus to the process. Babson entrepreneurship research conference. *Frontiers of Entrepreneurship Research*, 35, 2015.
- C. L. Wang and H. Chugh. Entrepreneurial learning: Past research and future challenges. *International Journal of Management Reviews*, 16(1):24–61, 2014.
- J. Watson and J. E. Everett. Do small businesses have high failure rates? Journal of Small Business Management, 34(4):45–62, 1996.
- J. Watson and J. E. Everett. Small business failure and external risk factors. Small Business Economics, 11(4):371–390, 1998.
- T. J. Watson. Narrative, life story and manager identity: A case study in autobiographical identity work. *Human Relations*, 62(3):425–452, 2009.
- K. E. Weick. The Social Psychology of Organizing. Reading, MA: Addison– Wesley, 1979.

- K. E. Weick. Sensemaking in Organizations (Vol. 3). Newbury Park, CA: Sage, 1995.
- K. E. Weick, K. M. Sutcliffe, and D. Obstfeld. Organizing and the process of sensemaking. Organization Science, 16(4):409–421, 2005.
- W. Weitzel and E. Jonsson. Decline in organisations: A literature integration and extension. Administrative Science Quarterly, 34(1):91–109, 1989.
- W. Weitzel and E. Jonsson. Reversing the downward spiral: Lessons from W.
 T. Grant and Sears Roebuck. Academy of Management Executive, 5(3): 7–21, 1991.
- I. M. Welpe, M. Spörrle, D. Grichnik, T. Michl, and D. B. Audretsch. Emotions and opportunities: The interplay of opportunity evaluation, Fear, Joy and Anger as antecedent of entrepreneurial exploitation. *Entrepreneurship: Theory and Practice*, 36(1):69–96, 2012.
- K. Wennberg and D. DeTienne. What do we really mean when we talk about 'exit'? A critical review on entrepreneurial exit. International Small Business Journal, 32(1):4–16, 2014.
- K. Wennberg, J. Wiklund, D. DeTienne, and M. S. Cardon. Reconceptualizing entrepreneurial exit: Divergent exit routes and their drivers. *Journal of Business Venturing*, 25(4):361–375, 2010.
- K. Wennberg, S. Pathak, and E. Autio. How culture moulds the effects of self-efficacy and fear of failure on entrepreneurship. *Entrepreneurship and Regional Development*, 25(9–10):756–780, 2013.
- R. H. Whittaker, S. A. Levin, and R. B. Boot. Niche, habitat and ecotope. American Naturalist, 107:321–338, 1973.
- A. Wieland, S. Simmons, and D. Hsu. Experimental studies in entrepreneurship research. In United States Association for Small Business and Entrepreneurship. Conference Proceedings (p. EB1), United States Association for Small Business and Entrepreneurship, January 2016.
- B. M. Wiesenfeld, K. A. Wurthmann, and D. C. Hambrick. The stigmatization and devaluation of elites associated with corporate failures: A process model. Academy of Management Review, 33(1):231–251, 2008.
- M. T. Wolfe and D. A. Shepherd. What do you have to say about that? Performance events and narratives' positive and negative emotional content. *Entrepreneurship Theory and Practice*, 39(4):895–925, 2015.
- J. Wong. HRM and entrepreneurship in China. Conference on Managing Human Resources in Small and Emerging Companies. Columbus, OH, 2003.

- P. Wynarczyk and S. Marlow, editors. *Innovating Women*. London: Emerald, 2010.
- M. Wyrwich, M. Stuetzer, and R. Sternberg. Entrepreneurial role models, fear of failure, and institutional approval of entrepreneurship: A tale of two regions. *Small Business Economics*, 46(3):467–492, 2016.
- Y. Yamakawa and M. S. Cardon. Causal ascriptions and perceived learning from entrepreneurial failure. *Small Business Economics*, 44(4):797–820, 2015.
- Y. Yamakawa, M. W. Peng, and D. L. Deeds. How does experience of previous entrepreneurial failure impact future entrepreneurship? Academy of Management Proceedings, 1:1–5, 2010.
- Y. Yamakawa, M. W. Peng, and D. Deeds. Rising from the ashes: Cognitive determinants of venture growth after entrepreneurial failure. *Entrepreneur*ship Theory and Practice, 39(2):209–236, 2015.
- R. Yazdipour and R. L. Constand. Predicting firm failure: A behavioral finance perspective. *The Journal of Entrepreneurial Finance*, 14(3):90–104, 2010.
- Q. Yu, Y. Miche, E. Séverin, and A. Lendasse. Bankruptcy prediction using extreme learning machine and financial expertise. *Neurocomputing*, 128: 296–302, 2014.
- G. Yukl. How leaders influence organizational effectiveness. The Leadership Quarterly, 19(6):708–722, 2008.
- A. L. Zacharakis, G. D. Meyer, and J. DeCastro. Differing perceptions of new venture failure: A matched exploratory study of venture capitalists and entrepreneurs. *Journal of Small Business Management*, 37(3):1–14, 1999.
- C. V. Zavgren. Assessing the vulnerability to failure of american industrial firms: A logistic analysis. *Journal of Business Finance and Accounting*, 12 (1):19–45, 1985.
- T. M. Zellweger and J. H. Astrachan. On the emotional value of owning a firm. *Family Business Review*, 21(4):347–363, 2008.
- M. E. Zmijewski. Methodological issues related to the estimation of financial distress prediction models. *Journal of Accounting Research*, 22(Suppl.): 59–86, 1984.