

Anhang

Tabelle 5.1: Hausman-Tests auf Basis der Random-Effects- und Fixed Effects-Modelle

Tabelle 5.2: Mapping DAX Sektoren & NIW/ISI/ZEW-Liste forschungsintensiver
Industrien in dreistelliger Wirtschaftsgliederung (WZ 2008)

Tabelle 5.1: Hausman-Tests auf Basis der Random-Effects- und Fixed-Effects-Modelle

Statistiken auf Basis des Hausman-Tests		
Modell	χ^2	p-Wert
B1	4,27	0,9613
B2	4,27	0,9613
B3	4,27	0,9613
B4	4,27	0,9613
B5	4,27	0,9613
B6	4,27	0,9613
B7	4,27	0,9613
B8	4,27	0,9613
B9	4,27	0,9613
C1	22,83	0,0292
C2	22,70	0,0454
C3	13,45	0,4139
C4	13,48	0,4891
C5	13,62	0,5543
C6	22,51	0,1275
C7	2,13	0,9980
C8	3,57	0,9901
C9	3,71	0,9939
C10	20,86	0,0348
C11	20,76	0,0540
C12	55,33	0,0000

Hausman-Test auf Basis der Random Effects und Fixed Effects Modelle / Ergebnisse der Modelle B1 bis B9 unterscheiden sich nicht da im FE-Modell alle Sektoren *omitted* werden und diese die Basis der Rangfolgenuntersuchung darstellen / Quelle: Eigene Darstellung

**Tabelle 5.2: Mapping DAX-Sektoren & NIW/ISI/ZEW-Liste
forschungsintensiver Industrien in dreistelliger Wirtschaftsgliederung (WZ 2008)**

„Forschungsintensive DAX Branchensektoren“	Auswahl Forschungsintensiver Wirtschaftszweige (WZ 2008 – 3stellige Gruppen)			
Industriegüter	28.1 H. v. Herstellung von nicht wirtschaftszweig-spezifischen Maschinen	28.3 H. v. land- und forstwirtschaftlichen Maschinen	28.4 H. v. Werkzeugmaschinen	28.9 H. v. Maschinen für sonstige bestimmte Wirtschaftszweige
Automobil	29.1 H. v. Kraftwagen und Kraftwagenmotoren	29.3 H. v. Teilen und Zubehör für Kraftwagen	30.3 Luft- und Raumfahrzeugbau	30.4 H. v. militärischen Kampffahrzeugen
Technology	26.1 H. v. elektronischen Bauelementen und Leiterplatten	27.1 H.v. Elektromotoren, Generatoren, Transformatoren, Elektrizitätsverteilungs- und -schaltanrichtungen	27.9 H. v. sonstigen elektrischen Ausrüstungen und Geräten a.n.g.	
Chemie	20.1 H. von chemischen Grundstoffen, Düngemitteln und Stickstoffverbindungen, Kunststoffen u. synthetischem Kautschuk in Primärformen	20.5 H. v. sonstigen chemischen Erzeugnissen		
Pharma	21.1 H. v. pharmazeutischen Grundstoffen	21.2 H. v. pharmazeutischen Spezialitäten und sonstigen pharmazeutischen Erzeugnissen		
Telekommunikation	26.3 H. v. Geräten und Einrichtungen der Telekommunikations-technik			
Konsumgüter	26.7 H. v. optischen und fotografischen Instrumenten und Geräten	26.4 H. v. Geräten der Unterhaltungselektronik	27.4 H.v. elektrischen Lampen und Leuchten	27.5 H. v. Haushaltsgeräten
Grundstoffe	20.1 H. von chemischen Grundstoffen, Düngemitteln und Stickstoffverbindungen, Kunststoffen u. synthetischem Kautschuk in Primärformen	22.1 Herstellung von Gummivaren		
Software	26.2 H. v. Datenverarbeitungsgeräten und peripheren Geräten			

Zuordnung auf Basis forschungsintensiver Industrien und Güter der NIW/ISI/ZEW-Listen 2012 in Abstimmung mit dem Fraunhofer Institut für System- und Innovationsforschung (ISI) / Für die DAX Branchensektoren Transport & Logistik, Banken, Bauindustrie, Einzelhandel, Finanzdienstleister, Medien, Nahrungsmittel & Getränke, Versicherungen und Versorger wurden im Rahmen des „Mappings“ keine forschungsintensiven Wirtschaftszweige identifiziert / H. v. = Hersteller von / Quelle: Eigene Darstellung; Mapping auf Basis Grunddaten Gehrke u.a. (2013); Deutsche Börse AG (2013b)

Literaturverzeichnis

Abrahamson, E./Hambrick, D. C. (1997): Attentional homogeneity in industries: The effect of discretion, in: *Journal of Organizational Behavior*, 18 (1), S. 513–532.

Abramovsky, L./Griffith, R./Macartney, G./Miller, H. (2008): The location of innovative activity in Europe. WP08/10, URL: www.ifs.org.uk/wps/wp0810.pdf, Stand: 7. Februar 2016.

Acs, Z. J./Audretsch, D. B. (1989): Patents as a measure of innovative activity, in: *Kyklos*, 42 (2), S. 171–180.

Albers, S./Gassmann, O. (2011): Handbuch Technologie- und Innovationsmanagement. Strategie - Umsetzung - Controlling, 2. Aufl., Wiesbaden. Betriebswirtschaftlicher Verlag Gabler.

Albert, A./Anderson, J. A. (1984): On the existence of maximum likelihood estimates in logistic regression models, in: *Biometrika*, 71 (1), S. 1–10.

Allison, P. D. (2008): *Convergence Failures in Logistic Regression*, Philadelphia, PA.

Almeida, P./Song, J./Grant, R. M. (2002): Are firms superior to alliances and markets? An empirical test of cross-border knowledge building, in: *Organization Science*, 13 (2), S. 147–161.

Ambos, B. (2002): Internationales Forschungs- und Entwicklungsmanagement. Strategische Mandate, Koordination und Erfolg ausländischer Tochtergesellschaften, 1. Aufl., Wiesbaden. Dt. Univ.-Verl.

Ambos, B. (2005): Foreign direct investment in industrial research and development: A study of German MNCs, in: *Research Policy*, 34 (4), S. 395–410.

Andersson, S./Gabrielsson, J./Wictor, I. (2004): International activities in small firms: Examining factors influencing the internationalization and export growth of small firms, in: *Canadian Journal of Administrative Sciences*, 21 (1), S. 22–34.

Andersson, T. (1998): Internationalization of research and development - causes and consequences for a small economy, in: *Economics of Innovation and New Technology*, 7 (1), S. 71–91.

- Asakawa, K. (2001a): Evolving headquarters-subsidiary dynamics in international R&D: The case of Japanese multinationals, in: *R&D Management*, 31 (1), S. 1–14.
- Asakawa, K. (2001b): Organizational tension in international R&D management: The case of Japanese firms, in: *Research Policy*, 30 (5), S. 735–757.
- Aspden, H. (1983): Patent statistics as a measure of technological vitality, in: *World Patent Information*, 5 (3), S. 170–173.
- Auer, L. von (2011): *Ökonometrie. Eine Einführung*, 5. Aufl., Berlin. Springer Berlin.
- Avermaete, T./Viaene, J./Morgan, E. J./Crawford, N. (2003): Determinants of innovation in small food firms, in: *European Journal of Innovation Management*, 6 (1), S. 8–17.
- Babbie, E. R. (1975): *The practice of social research*, Belmont, CA. Wadsworth Cengage Learning.
- Backhaus, K./Erichson, B./Plinke, W./Weiber, R. (2000): *Multivariate Analysemethoden. Eine anwendungsorientierte Einführung*, 9. Aufl., Berlin. Springer.
- Backhaus, K./Erichson, B./Plinke, W./Weiber, R. (2008): *Multivariate Analysemethoden. Eine anwendungsorientierte Einführung*, 12. Aufl., Berlin. Springer.
- Banerjee, M./Capozzoli, M./McSweeney, L./Sinha, D. (1999): Beyond kappa: A review of interrater agreement measures, in: *The Canadian Journal of Statistics/La Revue Canadienne de Statistique*, 27 (1), S. 3–23.
- Barr, P. S./Stimpert, J. L./Huff, A. S. (1992): Cognitive change, strategic action, and organizational renewal, in: *Strategic Management Journal*, 13, S. 15–36.
- Bartlett, C. A. (1986): Building and managing the transnational: The new organizational challenge, in: Porter, M. E. (Hrsg.): *Competition in global industries*, Boston, MA. Harvard Business School Press, S. 367–401.
- Bartlett, C. A./Ghoshal, S. (1989): *Managing across borders. The transnational solution*, Boston, MA. Harvard Business School Press.
- Belderbos, R. (2001): Overseas innovations by Japanese firms: An analysis of patent and subsidiary data, in: *Research Policy*, 30 (2), S. 313–332.

Bergek, A./Berggren, C. (2004): Technological internationalisation in the electro-technical industry: A cross-company comparison of patenting patterns 1986–2000, in: *Research Policy*, 33 (9), S. 1285–1306.

Bergek, A./Bruzelius, M. (2010): Are patents with multiple inventors from different countries a good indicator of international R&D collaboration? The case of ABB, in: *Research Policy*, 39 (10), S. 1321–1334.

Berger, R. (2013): Chancen und Risiken der Internationalisierung aus Sicht des Standortes Deutschland, in: Krystek, U./Zur, E. (Hrsg.): *Handbuch Internationalisierung. Globalisierung - eine Herausforderung für die Unternehmensführung*, 2. Aufl., Berlin. Springer, S. 21–33.

Birkinshaw, J./Nobel, R./Ridderstråle, J. (2002): Knowledge as a contingency variable: Do the characteristics of knowledge predict organization structure?, in: *Organization Science*, 13 (3), S. 274–289.

Boehmer, A. v. (1995): *Internationalisierung industrieller Forschung und Entwicklung. Typen, Bestimmungsgründe und Erfolgsbeurteilung*, Wiesbaden. Deutscher Universitätsverlag.

Bonaccorsi, A. (1992): On the relationship between firm size and export intensity, in: *Journal of International Business Studies*, 23 (4), S. 605–635.

Bosworth, D./Rogers, M. (2001): Market value, R&D and intellectual property: An empirical analysis of large Australian firms, in: *Economic Record*, 77 (239), S. 323–337.

Bouquet, C./Morrison, A./Birkinshaw, J. (2009): International attention and multinational enterprise performance, in: *Journal of International Business Studies*, 40 (1), S. 108–131.

Boutellier, R./Gassmann, O./Zedtwitz, M. von (2008): *Managing global innovation. Uncovering the secrets of future competitiveness*, 3. Aufl., Berlin/New York. Springer.

Bowman, E. H. (1984): Content analysis of annual reports for corporate strategy and risk, in: *Interfaces*, 14 (1), S. 61–71.

Brandstetter, R./Klinger, S. (2016): *Analyse von Lageberichten börsennotierter Unternehmen auf Änderungen der Unternehmensstrategie - Wie glaubwürdig ist die Darstellung von Strategieänderungen? Forschungsforum der österreichischen Fachhochschulen.*

- Breschi, S./Malerba, F./Orsenigo, L. (2000): Technological regimes and Schumpeterian patterns of innovation, in: *The Economic Journal*, 110 (463), S. 388–410.
- Bresman, H./Birkinshaw, J./Nobel, R. (1999): Knowledge transfer in international acquisitions, in: *Journal of International Business Studies*, 30, S. 439–462.
- Brockhoff, K. K. L./Schmaul, B. (1996): Organization, autonomy, and success of internationally dispersed R&D facilities, in: *Engineering Management, IEEE Transactions on*, 43 (1), S. 33–40.
- Bundesministerium der Justiz und für Verbraucherschutz (2015): Patentgesetz. PatG.
- Bundesministerium der Justiz und für Verbraucherschutz (2016): Handelsgesetzbuch - Inhalt des Lageberichts. §289 Abs. 2 Nr. 3 HGB.
- Cameron, A. C./Trivedi, P. K. (2009): *Microeconometrics using Stata*, College Station, TX. Stata Press.
- Cameron, A. C./Trivedi, P. K. (2010): *Microeconometrics using Stata*, College Station, TX. Stata Press.
- Cantwell, J./Hodson, C. (1991): Global R&D and UK competitiveness, in: Casson, M. (Hrsg.): *Global research strategy and international competitiveness*, Oxford/Cambridge, MA. B. Blackwell, S. 133–182.
- Carley, K. M. (1997): Extracting team mental models through textual analysis, in: *Journal of Organizational Behavior*, 18 (S1), S. 533–558.
- Chen, C.-J./Huang, Y.-F./Lin, B.-W. (2012): How firms innovate through R&D internationalization? An S-curve hypothesis, in: *Research Policy*, 41 (9), S. 1544–1554.
- Cheng, J. L. C./Bolon, D. S. (1993): The management of multinational R&D: A neglected topic in international business research, in: *Journal of International Business Studies*, 24 (1), S. 1–18.
- Chiesa, V. (1995): Globalizing R&D around centres of excellence, in: *Long Range Planning*, 28 (6), S. 19–28.
- Chiesa, V. (1996): Managing the internationalization of R&D activities, in: *Engineering Management, IEEE Transactions on*, 43 (1), S. 7–23.

- Clapham, S. E./Schwenk, C. R. (1991): Self-serving attributions, managerial cognition, and company performance, in: *Strategic Management Journal*, 12 (3), S. 219–229.
- Conference Board (1976): Overseas research and development by U.S. multinationals, 1966-1975, New York.
- Criscuolo, P. (2004): R&D internationalisation and knowledge transfer. Impact on MNEs and their home countries. Universität Maastricht, Maastricht.
- Criscuolo, P. (2005): On the road again: Researcher mobility inside the R&D network, in: *Research Policy*, 34 (9), S. 1350–1365.
- Cummings, J. L./Teng, B.-S. (2003): Transferring R&D knowledge: The key factors affecting knowledge transfer success, in: *Journal of Engineering and Technology Management*, 20 (1), S. 39–68.
- Czarnitzki, D./Kraft, K. (2010): On the profitability of innovative assets, in: *Applied Economics*, 42 (15), S. 1941–1953.
- D'Aveni, R. A./MacMillan, I. C. (1990): Crisis and the content of managerial communications: A study of the focus of attention of top managers in surviving and failing firms, in: *Administrative Science Quarterly*, 35 (4), S. 634–657.
- Dechow, P. M./Sloan, R. G./Sweeney, A. P. (1996): Causes and consequences of earnings manipulation: An analysis of firms subject to enforcement actions by the sec*, in: *Contemporary Accounting Research*, 13 (1), S. 1–36.
- Deephouse, D. L. (2000): Media reputation as a strategic resource: An integration of mass communication and resource-based theories, in: *Journal of Management*, 26 (6), S. 1091–1112.
- Deffner, G. (1986): Microcomputers as aids in Gottschalk-Gleser rating, in: *Psychiatry Research*, 18 (2), S. 151–159.
- Demsetz, H./Lehn, K. (1985): The structure of corporate ownership: Causes and consequences, in: *The Journal of Political Economy*, 93 (6), S. 1155–1177.
- Deng, Z./Lev, B./Narin, F. (1999): Science and technology as predictors of stock performance, in: *Financial Analysts Journal*, 55 (3), S. 20–32.
- Deutsche Börse AG (2009): Deutsche Börse Blue Chip Indizes. Die Indexfamilie für den deutschen Aktienmarkt.

- Deutsche Börse AG (2013a): Historical Index Compositions of the Equity- and Strategy-Indices of Deutsche Börse. Version 3.8.
- Deutsche Börse AG (2013b): Leitfaden zu den Aktienindizes der Deutschen Börse. Version 6.21.
- Dicenta, M. (2015): Strategische Flexibilität und kognitive Modelle. Eine empirische Untersuchung deutscher börsennotierter Unternehmen, München/Mering. Hampp.
- Die Welt (o.J.): Die 500 größten Unternehmen in Deutschland, URL: <http://top500.welt.de/>, Stand: 30. März 2016.
- Dirsmith, M. W./Covaleski, M. A. (1983): Strategy, external communication and environmental context, in: *Strategic Management Journal*, 4 (2), S. 137–151.
- Doucet, L./Jehn, K. A. (1997): Analyzing harsh words in a sensitive setting: American expatriates in communist China, in: *Journal of Organizational Behavior*, 18 (S1), S. 559–582.
- Dowling, G. R./Kabanoff, B. (1996): Computer-aided content analysis: What do 240 advertising slogans have in common?, in: *Marketing Letters*, 7 (1), S. 63–75.
- Duguet, E./Jung, N. (1997): R&D Investment, Patent Life and Patent Value. An Econometric Analysis at the Firm Level. Institut National de la Statistique et des Études.
- Dunning, J. H./Lundan, S. M. (2008): Multinational enterprises and the global economy, Cheltenham/Northampton, MA. Edward Elgar Publishing.
- Dunning, J. H./Narula, R. (1995): The R&D activities of foreign firms in the United States, in: *International Studies of Management & Organization*, 25 (1/2), S. 39–74.
- Duriau, V. J./Reger, R. K./Pfarrer, M. D. (2007): A content analysis of the content analysis literature in organization studies: Research themes, data sources, and methodological refinements, in: *Organizational Research Methods*, 10 (1), S. 5–34.
- Egelhoff, W. G. (1982): Strategy and structure in multinational corporations: An information-processing approach, in: *Administrative Science Quarterly*, 27 (3), S. 435–458.
- Eid, M./Gollwitzer, M./Schmitt, M. (2010): Statistik und Forschungsmethoden, 1. Aufl., Weinheim. Beltz.

Ernst, H. (1995): Patenting strategies in the German mechanical engineering industry and their relationship to company performance, in: *Technovation*, 15 (4), S. 225–240.

Ernst, H. (2001): Patent applications and subsequent changes of performance: Evidence from time-series cross-section analyses on the firm level, in: *Research Policy*, 30 (1), S. 143–157.

Europäisches Patentamt (2015): Der Weg zum europäischen Patent. Leitfaden für Anmelder, 15. Aufl., Luxemburg.

European Patent Office (2013): PATSTAT - the EPO worldwide patent statistical database. Your backbone data set for statistical analysis, URL: https://www.epo.org/searching/subscription/raw/product-14-24_de.html, Stand: 16. Januar 2016.

European Patent Office (2014): Data catalog PATSTAT - EPO worldwide patent statistical database. 2014 Spring Edition, 5. Aufl.

Expertenkommission Forschung und Innovation (EFI) (2014): Gutachten zu Forschung, Innovation und technologischer Leistungsfähigkeit Deutschlands 2014, Berlin.

Ferrier, W. J./Lyon, D. W. (2004): Competitive repertoire simplicity and firm performance: The moderating role of top management team heterogeneity, in: *Managerial and Decision Economics*, 25 (6-7), S. 317–327.

Finkenbrink, H. (2012): Standortbewertung bei der Internationalisierung von F&E-Einheiten. Eine empirische Analyse mit dem Fokus auf Emerging Economies. Technische Universität München.

Florida, R. (1997): The globalization of R&D: Results of a survey of foreign-affiliated R&D laboratories in the USA, in: *Research Policy*, 26 (1), S. 85–103.

Foss, N. J./Pedersen, T. (2003): The MNC as a knowledge structure: The roles of knowledge sources and organizational instruments in MNC knowledge management. DRUID Working Paper No 03-09.

Freeman, C./Soete, L. (1997): The economics of industrial innovation, London/Washington D.C. Pinter.

Freudenberg, T. (1988): Aufbau und Management internationaler Forschungs- und Entwicklungssysteme. Hochschule St. Gallen.

- Frietsch, R./Neuhäusler, P./Rothengatter, O. (2013): Which road to take? Filing routes to the European Patent Office, in: *World Patent Information*, 35 (1), S. 8–19.
- Frietsch, R./Schmoch, U. (2010): Transnational patents and international markets, in: *Scientometrics*, 82 (1), S. 185–200.
- Frost, T. S. (2001): The geographic sources of foreign subsidiaries' innovations, in: *Strategic Management Journal*, 22 (2), S. 101–123.
- Gallo, M. A./Pont, C. G. (1996): Important factors in family business internationalization, in: *Family Business Review*, 9 (1), S. 45–59.
- Gassmann, O./Keupp, M. M. (2011): Globales Management von Innovation, in: Albers, S./Gassmann, O. (Hrsg.): *Handbuch Technologie- und Innovationsmanagement. Strategie - Umsetzung - Controlling*, 2. Aufl., Wiesbaden. Betriebswirtschaftlicher Verlag Gabler, S. 177–195.
- Gassmann, O./Zedtwitz, M. von (1999): New concepts and trends in international R&D organization, in: *Research Policy*, 28 (2-3), S. 231–250.
- Gehrke, B./Frietsch, R./Neuhäusler, P./Rammer, C. (2013): Neuabgrenzung forschungsintensiver Industrien und Güter. NIW/ISI/ZEW-Listen 2012. Niedersächsisches Institut für Wirtschaftsforschung/Fraunhofer-Institut für System- und Innovationsforschung/Zentrum für Europäische Wirtschaftsforschung (ZEW).
- Gerybadze, A. (2004): *Technologie- und Innovationsmanagement. Strategie, Organisation und Implementierung*, München. Vahlen.
- Gerybadze, A./Reger, G. (1999): Globalization of R&D: Recent changes in the management of innovation in transnational corporations, in: *Research Policy*, 28, S. 251–274.
- Gerybaze, A./Schnitzer, M./Czernich, N. (2013): Internationale Forschungs- und Entwicklungsstandorte, in: *Wirtschaftsdienst*, 3, S. 182–188.
- Ghoshal, S./Bartlett, C. A. (1990): The multinational corporation as an interorganizational network, in: *Academy of Management Review*, 15 (4), S. 603–626.
- Gießelmann, M./Windzio, M. (2012): *Regressionsmodelle zur Analyse von Paneldaten*, 1. Aufl., Wiesbaden. VS Verlag für Sozialwissenschaften.

- Graevenitz, G./Wagner, S./Harhoff, D. (2013): Incidence and growth of patent thickets: The impact of technological opportunities and complexity, in: *The Journal of Industrial Economics*, 61 (3), S. 521–563.
- Graves, S. B./Langowitz, N. S. (1993): Innovative productivity and returns to scale in the pharmaceutical industry, in: *Strategic Management Journal*, 14 (8), S. 593–606.
- Griliches, Z. (1984): Market value, R&D, and patents, in: Griliches, Z. (Hrsg.): R&D, patents, and productivity, Chicago, IL. University of Chicago Press, S. 249–252.
- Griliches, Z. (1990): Patent statistics as economic indicators: A survey, in: *Journal of Economic Literature*, 28 (4), S. 1661–1707.
- Griliches, Z. (1998a): Patent statistics as economic indicators: A survey, in: Griliches, Z. (Hrsg.): R&D and productivity: The econometric evidence, Chicago, IL. University of Chicago Press, S. 287–343.
- Griliches, Z. (1998b): R&D and productivity: The econometric evidence, Chicago, IL. University of Chicago Press.
- Grupp, H. (1998): Foundations of the economics of innovation. Theory, measurement, and practice, Cheltenham, England/Northampton, MA. E. Elgar.
- Guellec, D./van Pottelsberghe de la Potterie, B. (2001): The internationalisation of technology analysed with patent data, in: *Research Policy*, 30 (8), S. 1253–1266.
- Gulbrandsen, M./Godoe, H. (2008): “We really don’t want to move, but...”: Identity and strategy in the internationalisation of industrial R&D, in: *The Journal of Technology Transfer*, 33 (4), S. 379–392.
- Gupta, A. K./Govindarajan, V. (2000): Knowledge flows within multinational corporations, in: *Strategic Management Journal*, 21 (4), S. 473–496.
- Hackl, P. (2005): Einführung in die Ökonometrie, München. Pearson Studium.
- Hagedoorn, J./Cloodt, M. (2003): Measuring innovative performance: Is there an advantage in using multiple indicators?, in: *Research Policy*, 32 (8), S. 1365–1379.
- Hagedoorn, J./Schakenraad, J. (1994): The effect of strategic technology alliances on company performance, in: *Strategic Management Journal*, 15 (4), S. 291–309.
- Hair, J. F./Anderson, R. E./Tatham, R. L./Black, W. C. (1998): Multivariate data analysis, 5. Aufl., Upper Saddle River, NJ. Prentice Hall.

- Håkanson, L. (1981): Organization and evolution of foreign R&D in Swedish multinationals, in: *Geografiska Annaler. Series B, Human Geography*, 63 (1), S. 47–56.
- Håkanson, L./Nobel, R. (1993a): Determinants of foreign R&D in Swedish multinationals, in: *Research Policy*, 22 (5), S. 397–411.
- Håkanson, L./Nobel, R. (1993b): Foreign research and development in Swedish multinationals, in: *Research Policy*, 22 (5), S. 373–396.
- Håkanson, L./Nobel, R. (2001): Organizational characteristics and reverse technology transfer, in: *MIR: Management International Review*, 41 (4), S. 395–420.
- Håkanson, L./Zander, U. (1988): International management of R&D: The Swedish experience, in: *R&D Management*, 18 (3), S. 217–226.
- Hall, B. H./Griliches, Z./Hausman, J. A. (1986): Patents and R&D: Is there a lag?, in: *International Economic Review*, 27 (2), S. 265–283.
- Hauschildt, J. (1997): Innovationsmanagement, 2. Aufl., München. Vahlen.
- Hausman, J. A./Hall, B. H./Griliches, Z. (1984): Econometric models for count data with an application to the patents-R&D relationship, in: *Econometrica*, 52 (4), S. 909–938.
- Helmdach, M./Köhler, I./Sebastian, S./Tiedemann, G. (2002): Mittelständische Pharmaindustrie - Neue Wege zum Erfolg mit Biotechnologie? Bundesverband der Pharmazeutischen Industrie e.V., Cap Gemini Ernst & Young Deutschland GmbH.
- Henderson, R./Cockburn, I. (1996): Scale, scope, and spillovers: The determinants of research productivity in drug discovery, in: *The Rand Journal of Economics*, 27 (1), S. 32–59.
- Hennig-Thurau, T./Sattler, H. (2016): VHB-JOURQUAL 3. Teilrating Technologie, Innovation und Entrepreneurship, URL: <http://vhbonline.org/vhb4you/jourqual/vhb-jourqual-3/teilrating-tie/>, Stand: 17. Juni 2016.
- Hirschey, R. C./Caves, R. E. (1981): Research and transfer of technology by multinational enterprises, in: *Oxford Bulletin of Economics and Statistics*, 43 (2), S. 115–130.
- Holsti, O. R. (1969): Content analysis for the social sciences and humanities, Reading, MA. Addison-Wesley Pub. Co.

- Howells, J. (1990): The location and organisation of research and development: New horizons, in: *Research Policy*, 19 (2), S. 133–146.
- Hughes, M. A./Garrett, D. E. (1990): Intercoder reliability estimation approaches in marketing: A generalizability theory framework for quantitative data, in: *Journal of Marketing Research*, 27 (2), S. 185–195.
- Insch, G. S./Moore, J. E./Murphy, L. D. (1997): Content analysis in leadership research: Examples, procedures, and suggestions for future use, in: *The Leadership Quarterly*, 8 (1), S. 1–25.
- ISO (2001): Securities and related financial instruments - International securities identification numbering system (ISIN). ISO 6166:2001(E).
- Jensen, M. C. (1988): Takeovers: Their causes and consequences, in: *The Journal of Economic Perspectives*, 2 (1), S. 21–48.
- Johanson, J./Vahlne, J.-E. (1977): The internationalization process of the firm - A model of knowledge development and increasing foreign market commitments, in: *Journal of International Business Studies*, 8 (1), S. 23–32.
- Johnson, W. H. A./Medcof, J. W. (2007): Motivating proactive subsidiary innovation: Agent-based theory and socialization models in global R&D, in: *Journal of International Management*, 13 (4), S. 472–487.
- Kabanoff, B. (1997): Computers can read as well as count: Computer-aided text analysis in organizational research, in: *Journal of Organizational Behavior*, 18 (S1), S. 507–511.
- Kabanoff, B./Brown, S. (2008): Knowledge structures of prospectors, analyzers, and defenders: Content, structure, stability, and performance, in: *Strategic Management Journal*, 29 (2), S. 149–171.
- Kabanoff, B./Hamdan, M. (2014): From words to integers and beyond in corporate life. Chapter 19, in: Hart, R. P. (Hrsg.): *Communication and language analysis in the corporate world*, Hershey, PA. IGI Global, S. 334–351.
- Kabanoff, B./Waldersee, R./Cohen, M. (1995): Espoused values and organizational change themes, in: *Academy of Management Journal*, 38 (4), S. 1075–1104.
- Kennedy, P. (2008): *A guide to econometrics*, 6. Aufl., Malden, MA. Blackwell Pub.

- Kenney, M./Florida, R. (1994): The organization and geography of Japanese R&D: Results from a survey of Japanese electronics and biotechnology firms, in: *Research Policy*, 23 (3), S. 305–322.
- Kerlinger, F. N./Lee, H. B. (2000): Foundations of behavioral research, 4. Aufl., Fort Worth, TX. Harcourt College Publishers.
- Kohler, U./Kreuter, F. (2012): Datenanalyse mit Stata. Allgemeine Konzepte der Datenanalyse und ihre praktische Anwendung, 4. Aufl., München. Oldenbourg, R.
- Kola, I./Landis, J. (2004): Can the pharmaceutical industry reduce attrition rates?, in: *Nature Reviews Drug Discovery*, 3, S. 711–715.
- Kotabe, M./Dunlap-Hinkler, D./Parente, R./Mishra, H. A. (2007): Determinants of cross-national knowledge transfer and its effect on firm innovation, in: *Journal of International Business Studies*, 38 (2), S. 259–282.
- Kranzusch, P./Holz, M. (2013): Internationalisierungsgrad von KMU. Ergebnisse einer Unternehmensbefragung. Institut für Mittelstandsforschung Bonn.
- Kudic, M. (2015): Innovation networks in the German laser industry. Evolutionary change, strategic positioning, and firm innovativeness, Heidelberg u.a. Springer.
- Kuemmerle, W. (1997): Building effective R&D capabilities abroad, in: *Harvard Business Review*, 75, S. 61–72.
- Kuemmerle, W. (1999): The drivers of foreign direct investment into research and development: An empirical investigation, in: *Journal of International Business Studies*, 30 (1), S. 1–24.
- Kuemmerle, W./Rosenbloom, R. S. (1999): Functional versus capability-oriented innovation management in multinational firms. IEEE.
- Kurokawa, S./Iwata, S./Roberts, E. B. (2007): Global R&D activities of Japanese MNCs in the US: A triangulation approach, in: *Research Policy*, 36 (1), S. 3–36.
- Lam, A. (2003): Organizational learning in multinationals: R&d networks of Japanese and US MNEs in the UK, in: *Journal of Management Studies*, 40 (3), S. 673–703.
- Landis, J. R./Koch, G. G. (1977): The measurement of observer agreement for categorical data, in: *Biometrics*, 33 (1), S. 159–174.
- Laskawi, C. (2015): Biotechnologie. Finanzierungslücke gefährdet Wettbewerbsfähigkeit. Deutsche Bank Research.

Laurens, P./Le Bas, C./Schoen, A./Villard, L./Larédo, P. (2015): The rate and motives of the internationalisation of large firm R&D (1994–2005): Towards a turning point?, in: *Research Policy*, 44 (3), S. 765–776.

Le Bas, C./Sierra, C. (2002): ‘Location versus home country advantages’ in R&D activities: Some further results on multinationals’ locational strategies, in: *Research Policy*, 31 (4), S. 589–609.

Lee, J. (1986): Determinants of offshore production in developing countries, in: *Journal of Development Economics*, 20 (1), S. 1–13.

Lööf, H. (2009): Multinational enterprises and innovation: Firm level evidence on spillover via R&D collaboration, in: *Journal of Evolutionary Economics*, 19 (1), S. 41–71.

Malerba, F./Orsenigo, L. (1995): Schumpeterian patterns of innovation, in: *Cambridge Journal of Economics*, 19, S. 47–65.

Mann, H. B./Whitney, D. R. (1947): On a test of whether one of two random variables is stochastically larger than the other, in: *The Annals of Mathematical Statistics*, 18 (1), S. 50–60.

Mansfield, E./Teece, D./Romeo, A. (1979): Overseas research and development by US-based firms, in: *Economica*, 46 (182), S. 187–196.

Martínez, C. (2011): Patent families: When do different definitions really matter?, in: *Scientometrics*, 86 (1), S. 39–63.

Mayring, P. (2010): *Qualitative Inhaltsanalyse: Grundlagen und Techniken*, 11. Aufl., Weinheim. Beltz.

McClelland, P. L./Liang, X./Barker, V. L. (2010): CEO commitment to the status quo: Replication and extension using content analysis, in: *Journal of Management*, 36 (5), S. 1251–1277.

Minbaeva, D./Pedersen, T./Björkman, I./Fey, C. F./Park, H. J. (2003): MNC knowledge transfer, subsidiary absorptive capacity, and HRM, in: *Journal of International Business Studies*, 34 (6), S. 586–599.

Monteiro, L. F./Arvidsson, N./Birkinshaw, J. (2008): Knowledge flows within multinational corporations: Explaining subsidiary isolation and its performance implications, in: *Organization Science*, 19 (1), S. 90–107.

- Morris, R. (1994): Computerized content analysis in management research: A demonstration of advantages & limitations, in: *Journal of Management*, 20 (4), S. 903–931.
- Mühlbauer, M. (2014): Die Qualität der Lageberichterstattung von DAX-Konzernen. Empirische Analyse der Berichterstattung zur Ertrags-, Finanz- und Vermögenslage, Wiesbaden. Imprint: Springer Gabler.
- Napolitano, G./Sirilli, G. (1990): The patent system and the exploitation of inventions: Results of a statistical survey conducted in Italy, in: *Technovation*, 10 (1), S. 5–16.
- Narula, R. (2000): Strategic technology alliances by European firms since 1980: Questioning integration?, in: Chesnais, F./Letto-Gillies, G./Simonetti, R. (Hrsg.): *European integration and global corporate strategies*, London/New York. Routledge, S. 175–187.
- Nasdaq (o.J.): Nasdaq Technology Companies, URL: <http://www.nasdaq.com/screening/companies-by-industry.aspx?industry=Technology>, Stand: 28. Mai 2016.
- Neuendorf, K. A. (2002): *The content analysis guidebook*, Thousand Oaks, CA. Sage Publications.
- Neuhäusler, P. (2008): Patente in Europa und den USA. Veränderungen ab 1991 aufgezeigt an Gesamtzahlen und dem Technologiefeld des Ubiquitous Computing. Fraunhofer-Institut für System- und Innovationsforschung, 14. Aufl., Karlsruhe.
- Neuhäusler, P./Frietsch, R./Schubert, T./Blind, K. (2011): Patents and the financial performance of firms - An analysis based on stock market data. Fraunhofer ISI discussion papers innovation systems and policy analysis, No. 28, URL: <http://hdl.handle.net/10419/44995>, Stand: 2. April 2016.
- Niosi, J./Godin, B. (1999): Canadian R&D abroad management practices, in: *Research Policy*, 28 (2), S. 215–230.
- Nobel, R./Birkinshaw, J. (1998): Innovation in multinational corporations: Control and communication patterns in international R&D operations, in: *Strategic Management Journal*, 19 (5), S. 479–496.
- Odagiri, H./Yasuda, H. (1996): The determinants of overseas R&D by Japanese firms: An empirical study at the industry and company levels, in: *Research Policy*, 25 (7), S. 1059–1079.

- Osborne, J. D./Stubbart, C. I./Ramaprasad, A. (2001): Strategic groups and competitive enactment: A study of dynamic relationships between mental models and performance, in: *Strategic Management Journal*, 22, S. 435–454.
- Paisley, W. J. (1968): Book review: The general inquirer: A computer approach to content analysis, in: *Journal of Regional Science*, 8 (1), S. 113–116.
- Papanastassiou, M./Pearce, R. (1994): The internationalisation of research and development by Japanese enterprises, in: *R&D Management*, 24 (2), S. 155–165.
- Patel, P. (1996): Are large firms internationalizing the generation of technology? Some new evidence, in: *Engineering Management, IEEE Transactions on*, 43, S. 41–47.
- Patel, P. (2007): Exploratory study to test the feasibility of using patent data for monitoring the globalization of R&D. Report to IPTS by the ERAWATCH networks ASBL within the framework service contract Nr -150176-2005-F1SC-BE. SPRU/Fraunhofer ISI, Brighton/Karlsruhe.
- Patel, P. (2011): Location of innovative activities of EU large firms. SPRU Electronic Working Paper. SPRU - Science and Technology Policy Research, University of Sussex.
- Patel, P./Pavitt, K. (1991): Large firms in the production of the world's technology: An important case of "non-globalisation", in: *Journal of International Business Studies*, 22 (1), S. 1–21.
- Patel, P./Pavitt, K. (1995): Divergence in technological development among countries and firms, in: Hagedoorn, J. (Hrsg.): *Technical change and the world economy: Convergence and divergence in technology strategies*, Aldershot/Brookfield, VT. E. Elgar, S. 147–181.
- Patel, P./Vega, M. (1999): Patterns of internationalisation of corporate technology: Location vs. home country advantages, in: *Research Policy*, 28 (2), S. 145–155.
- Pavitt, K. (1985): Patent statistics as indicators of innovative activities: Possibilities and problems, in: *Scientometrics*, 7 (1-2), S. 77–99.
- Pavitt, K. (1988): Uses and abuses of patent statistics, in: Raan, A. F. J. van (Hrsg.): *Handbook of quantitative studies of science and technology*, Amsterdam. Elsevier, S. 509–536.

- Pavitt, K./Robson, M./Townsend, J. (1987): The size distribution of innovating firms in the UK: 1945-1983, in: *The Journal of Industrial Economics*, 35 (3), S. 297–316.
- Pearce, R./Papanastassiou, M. (1999): Overseas R&D and the strategic evolution of MNEs: Evidence from laboratories in the UK, in: *Research Policy*, 28 (1), S. 23–41.
- Peeters, B./Song, X./Callaert, J./Joris, G./Looy, B. Van (2009): Harmonizing harmonized patentee names: An exploratory assessment of top patentees. Eurostat.
- Penner-Hahn, J./Shaver, J. M. (2005): Does international research and development increase patent output? An analysis of Japanese pharmaceutical firms, in: *Strategic Management Journal*, 26 (2), S. 121–140.
- Perlmutter, H. V. (1969): The tortuous evolution of the multinational corporation, in: *Columbia Journal of World Business*, 4 (1), S. 9–18.
- Perreault, W. D./Leigh, L. E. (1989): Reliability of nominal data based on qualitative judgments, in: *Journal of Marketing Research*, 26, S. 135–148.
- Peters, B./Schmiele, A. (2011): The contribution of international R&D to firm profitability. Discussion Paper No. 11-002. Zentrum für Europäische Wirtschaftsforschung (ZEW).
- Petersen, M. A. (2009): Estimating standard errors in finance panel data sets: Comparing approaches, in: *The Review of Financial Studies*, 22 (1), S. 435–480.
- Petersen, T. (2004): Analyzing panel data: Fixed- and random-effects models, in: Hardy, M. A./Bryman, A. (Hrsg.): *Handbook of data analysis*, London/Thousand Oaks, CA. Sage Publications, S. 331–345.
- Pollach, I. (2012): Taming textual data: The contribution of corpus linguistics to computer-aided text analysis, in: *Organizational Research Methods*, 15 (2), S. 263–287.
- Porter, M./Stern, S. (2001): Innovation: Location matters, in: *MIT Sloan Management Review*, 42 (4), S. 28–36.
- Porter, M. E. (1990): The competitive advantage of nations, in: *Harvard Business Review*, 68 (2), S. 73–93.
- Proppe, D. (2007): Endogenität und Instrumentenschätzer, in: Albers, S./Klapper, D./Konradt, U./Walter, A./Wolf, J. (Hrsg.): *Methodik der empirischen Forschung*, 2. Aufl., Wiesbaden. Gabler, S. 231–260.

- Quintás, M. A./Vázquez, X. H./García, J. M./Caballero, G. (2008): Geographical amplitude in the international generation of technology: Present situation and business determinants, in: *Research Policy*, 37 (8), S. 1371–1381.
- Rabe-Hesketh, S./Skrondal, A. (2008): Multilevel and longitudinal modeling using Stata, 2. Aufl., College Station, TX. Stata Press Publication.
- Rabe-Hesketh, S./Skrondal, A./Pickles, A. (2004): GLLAMM manual, URL: <http://biostats.bepress.com/ucbbiostat/paper160/>, Stand: 26. Februar 2015.
- Rammer, C./Crass, D./Doherr, T./Hud, M./Hünermund, P./Iferrd, Y./Köhler, C./Peters, B./Schubert, T. (2016): Innovationsverhalten der deutschen Wirtschaft. Indikatorenbericht zur Innovationserhebung 2015. Zentrum für Europäische Wirtschaftsforschung (ZEW)/Fraunhofer-Institut für System- und Innovationsforschung/Infas, Mannheim.
- Riffe, D./Lacy, S./Fico, F. (2005): Analyzing media messages. Using quantitative content analysis in research, 2. Aufl., Mahwah, NJ. Lawrence Erlbaum.
- Roberts, E. B. (2001): Benchmarking global strategic management of technology. Survey of the world's largest R&D performers reveals, among other trends, a greater reliance upon external sources of technology, in: *Research-Technology Management*, 44 (2), S. 25–36.
- Robinson, W. S. (1957): The statistical measurement of agreement, in: *American Sociological Review*, 22 (1), S. 17–25.
- Ronstadt, R. C. (1978): International R&D: The establishment and evolution of research and development abroad by seven US multinationals, in: *Journal of International Business Studies*, 9 (1), S. 7–24.
- Rosenberg, S. D./Schnurr, P. P./Oxman, T. E. (1990): Content analysis: A comparison of manual and computerized systems, in: *Journal of Personality Assessment*, 54 (1&2), S. 298–310.
- Sachwald, F. (2008): Location choices within global innovation networks: The case of Europe, in: *The Journal of Technology Transfer*, 33 (4), S. 364–378.
- Salomo, S./Keinschmidt, E. J./Brentani, U. de (2010): Managing new product development teams in a globally dispersed NPD program, in: *Journal of Product Innovation Management*, 27 (7), S. 955–971.

- Sanna-Randaccio, F./Veugelers, R. (2007): Multinational knowledge spillovers with decentralised R&D: A game-theoretic approach, in: *Journal of International Business Studies*, 38 (1), S. 47–63.
- Schasse, U./Belitz, H./Kladroba, A./Stenke, G. (2016): Forschung und Entwicklung in Wirtschaft und Staat. Studien zum deutschen Innovationssystem - Nr. 2-2016. Niedersächsisches Institut für Wirtschaftsforschung/Deutsches Institut für Wirtschaftsforschung/Stifterverband für die Deutsche Wissenschaft.
- Scherer, F. M. (1965): Firm size, market structure, opportunity, and the output of patented inventions, in: *The American Economic Review*, 55 (5), S. 1097–1125.
- Schiffelholz, A. (2014): Stabilität und Wechsel bei Miles-und-Snow-Strategietypen. Eine empirische Panel-Analyse deutscher Aktiengesellschaften, 1. Aufl., München/Mering. Hampp.
- Schmacke, E. (1992): Die Grossen 500 auf einen Blick. Deutschlands Top-Unternehmen mit Anschriften, Umsätzen und Management, Neuwied. Luchterhand.
- Schmaul, B. (1995): Organisation und Erfolg internationaler Forschungs- und Entwicklungseinheiten, Wiesbaden. Dt. Univ.-Verl.
- Schmookler, J. (1952): The changing efficiency of the American economy, 1869-1938, in: *The Review of Economics and Statistics*, S. 214–231.
- Schnurr, P. P./Rosenberg, S. D./Oxman, T. E./Tucker, G. J. (1986): A methodological note on content analysis: Estimates of reliability, in: *Journal of Personality Assessment*, 50 (4), S. 601–609.
- Schubert, T. (2010): Marketing and organisational innovations in entrepreneurial innovation processes and their relation to market structure and firm characteristics, in: *Review of Industrial Organization*, 32, S. 189–212.
- Schumpeter, J. A. (1934): The theory of economic development, Cambridge, MA. Harvard University Press.
- Schumpeter, J. A. (1942): Capitalism, socialism and democracy, New York. Harper.
- Short, J. C./Broberg, J. C./Cogliser, C. C./Brigham, K. C. (2010): Construct validation using computer-aided text analysis (CATA): An illustration using entrepreneurial orientation, in: *Organizational Research Methods*, 13 (2), S. 320–347.

Short, J. C./Palmer, T. B. (2008): The application of DICTION to content analysis research in strategic management, in: *Organizational Research Methods*, 11 (4), S. 727–752.

Statista (2015): Größte Unternehmen der Welt nach ihrem Marktwert im Jahr 2015 in Millionen US-Dollar, URL: <https://de.statista.com/statistik/daten/studie/12108/umfrage/top-unternehmen-der-welt-nach-marktwert/>, Stand: 28. Mai 2016.

Stein, T. (2011): Eine ökonomische Analyse der Entwicklung der Lageberichtsqualität. Ein Beitrag zur Diskussion um Regulierung und Deregulierung, 1. Aufl., Wiesbaden. Gabler.

Stifterverband für die Deutsche Wissenschaft (2013): FuE-Datenreport 2013. Analysen und Vergleiche.

Stifterverband für die Deutsche Wissenschaft (2016): Forschung und Entwicklung in der Wirtschaft 2014. Zahlen und Fakten aus der Wissenschaftsstatistik.

Stock, J. H./Watson, M. W. (2012): Introduction to econometrics, 3. Aufl., Boston, MA. Pearson Education.

Stone, P. J./Dunphy, D. C./Smith, M. S. (1966): The general inquirer: A computer approach to content analysis, Cambridge, MA. MIT press.

Tallerico, M. (1991): Applications of qualitative analysis software: A view from the field, in: *Qualitative Sociology*, 14 (3), S. 275–285.

Tarasconi, G./Kang, B. (2015): PATSTAT revisited. Institute of Developing Economies, Chiba.

Taylor, J./Watkinson, D. (2007): Indexing reliability for condition survey data, in: *The Conservator*, 30 (1), S. 49–62.

Thomas, V. J./Sharma, S./Jain, S. K. (2011): Using patents and publications to assess R&D efficiency in the states of the USA, in: *World Patent Information*, 33 (1), S. 4–10.

UCLA (o.J.a): FAQ: Complete or quasi-complete separation and some strategies for dealing with it, Statistical Consulting Group, URL: http://www.ats.ucla.edu/stat/mult_pkg/faq/general/complete_separation_logit_models.htm, Stand: 6. April 2015.

- UCLA (o.J.b): Stata FAQ: How can I perform the likelihood ratio, Wald, and Lagrange multiplier (score) test in Stata?, Statistical Consulting Group, URL: http://www.ats.ucla.edu/stat/stata/faq/nested_tests.htm, Stand: 26. Februar 2015.
- UCLA (o.J.c): What statistical analysis should I use? Statistical analyses using Stata, Statistical Consulting Group, URL: <http://www.ats.ucla.edu/stat/stata/whatstat/whatstat.htm>, Stand: 8. März 2015.
- United States Patent and Trademark Office (o.J.): Glossary, URL: <http://www.uspto.gov/main/glossary/#patentfamily>, Stand: 18. Januar 2016.
- Vernon, R. (1966): International investment and international trade in the product cycle, in: *The Quarterly Journal of Economics*, 80 (2), S. 190–207.
- Waller, M. J./Huber, G. P./Glick, W. H. (1995): Functional background as a determinant of executives' selective perception, in: *Academy of Management Journal*, 38 (4), S. 943–974.
- Wang, P./Cockburn, I. M./Puterman, M. L. (1998): Analysis of patent data - a mixed-poisson-regression-model approach, in: *Journal of Business & Economic Statistics*, 16 (1), S. 27–41.
- Weber, R. P. (1990): Basic content analysis, 2. Aufl., Thousand Oaks, CA. Sage Publications.
- White, H. (1980): A heteroskedasticity-consistent covariance matrix estimator and a direct test for heteroskedasticity, in: *Econometrica: Journal of the Econometric Society*, S. 817–838.
- Wiedemann, G./Lemke, M. (2016): Text Mining für die Analyse qualitativer Daten. Auf dem Weg zu einer Best Practice?, in: Lemke, M. (Hrsg.): Text Mining in den Sozialwissenschaften. Grundlagen und Anwendungen zwischen qualitativer und quantitativer Diskursanalyse, Wiesbaden. Springer VS, S. 397–419.
- Wilcoxon, F. (1945): Individual comparisons by ranking methods, in: *Biometrics Bulletin*, 1 (6), S. 80–83.
- Wolfe, R. A./Gephart, R. P./Johnson, T. E. (1993): Computer-facilitated qualitative data analysis: Potential contributions to management research, in: *Journal of Management*, 19 (3), S. 637–660.

- Woodrum, E. (1984): "Mainstreaming" content analysis in social science: Methodological advantages, obstacles, and solutions, in: *Social Science Research*, 13 (1), S. 1–19.
- Wooldridge, J. M. (2013): *Introductory econometrics. A modern approach*, Mason, OH. South-Western.
- Wortmann, M. (1990): Multinationals and the internationalization of R&D: New developments in German companies, in: *Research Policy*, 19 (2), S. 175–183.
- Zander, I. (1999a): How do you mean 'global'? An empirical investigation of innovation networks in the multinational corporation, in: *Research Policy*, 28 (2), S. 195–213.
- Zander, I. (1999b): Whereto the multinational? The evolution of technological capabilities in the multinational network, in: *International Business Review*, 8 (3), S. 261–291.
- Zander, I. (2002): The formation of international innovation networks in the multinational corporation: An evolutionary perspective, in: *Industrial and Corporate Change*, 11 (2), S. 327–353.
- Zedtwitz, M. von (2004): Managing foreign R&D laboratories in China, in: *R&D Management*, 34 (4), S. 439–452.
- Zedtwitz, M. von/Gassmann, O. (2002): Market versus technology drive in R&D internationalization: Four different patterns of managing research and development, in: *Research Policy*, 31 (4), S. 569–588.
- Zeller, C. (2004): North atlantic innovative relations of Swiss pharmaceuticals and the proximities with regional biotech arenas, in: *Economic Geography*, 80 (1), S. 83–111.
- Zhou, K. Z./Wu, F. (2010): Technological capability, strategic flexibility, and product innovation, in: *Strategic Management Journal*, 31 (5), S. 547–561.