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## References

- Adams, R., Tranfield, D. and Denyer, D. (2013) Process antecedents of challenging, under-cover and readily-adopted innovations. *Journal of Health Organization and Management*, 27 (1), 42-63.
- Akenroye, T. O. (2012) Factors influencing innovation in healthcare: a conceptual analysis. *The Innovation Journal: The Public Sector Innovation Journal*, 17 (2), 1-21.
- Alam, I. (2006) Service innovation strategy and process: a cross-national comparative analysis. *International Marketing Review*, 23 (2-3), 234-254.
- Alam, I. (2011) Exploring cross-national differences in service innovation process and strategy in developing and developed nations. *Journal of Service Management*, 22 (5), 586-606.
- Alam, I. and Perry, C. (2002) A customer-oriented new service development process. *Journal of Services Marketing*, 16 (6), 515-534.
- Ali, A., Krapfel, R. and Labahn, D. (1995) Product innovativeness and entry strategy: impact on cycle time and break-even time. *Journal of Product Innovation Management*, 12 (1), 54-69.
- Alon, I., Child, J., Li, S. and McIntyre, J. R. (2011) Globalization of Chinese firms theoretical universalism or particularism. *Management and Organization Review*, 7 (2), 191-200.
- Amabile, T. M., Conti, R., Coon, H., Lazenby, J. and Herron, M. (1996) Assessing the work environment for creativity. *Academy of Management Journal*, 39 (5), 1154-1184.
- Amara, N., Landry, R. and Doloreux, D. (2009) Patterns of innovation in knowledge-intensive business services. *Service Industries Journal*, 29 (4), 407-430.
- Anning-Dorson, T. (2018) Customer involvement capability and service firm performance: the mediating role of innovation. *Journal of Business Research*, 86, 269-280.
- Armstrong, J. S. and Overton, T. S. (1977) Estimating nonresponse bias in mail surveys. *Journal of Marketing Research*, 14 (3), 396-402.
- Atuahene-Gima, K. (1996a) Differential potency of factors affecting innovation performance in manufacturing and services firms in Australia. *Journal of Product Innovation Management*, 13 (1), 35-52.
- Atuahene-Gima, K. (1996b) Market orientation and innovation. *Journal of Business Research*, 35 (2), 93-103.
- Atuahene-Gima, K. (2003) The effects of centrifugal and centripetal forces on product development speed and quality: how does problem solving matter? *Academy of Management Journal*, 46 (3), 359-373.
- Avlonitis, G. J., Papastathopoulou, P. G. and Gounaris, S. P. (2001) An empirically-based

- typology of product innovativeness for new financial services: success and failure scenarios. *Journal of Product Innovation Management*, 18 (5), 324-342.
- Bailey, K. D. (1994) *Typologies and Taxonomies: An Introduction to Classification Techniques*. Thousand Oaks: Sage.
- Barras, R. (1986) Towards a theory of innovation in services. *Research Policy*, 15 (4), 161-173.
- Barras, R. (1990) Interactive innovation in financial and business services: the vanguard of the service revolution. *Research Policy*, 19 (3), 215-237.
- Berry, L. L. (1995) Relationship marketing of services – growing interest, emerging perspectives. *Journal of the Academy of Marketing Science*, 23 (4), 236-245.
- Berry, L. L. and Bendapudi, N. (2007) Health care: a fertile field for service research. *Journal of Service Research*, 10 (2), 111-122.
- Berry, L. L., Shankar, V., Parish, J. T., Cadwallader, S. and Dotzel, T. (2006) Creating new markets through service innovation. *MIT Sloan Management Review*, 47 (2), 56-63.
- Bessant, J. and Tidd, J. (2007) *Innovation and Entrepreneurship*. Chichester: John Wiley & Sons.
- Bloom, N., Liang, J., Roberts, J. and Ying, Z. J. (2015) Does working from home work? Evidence from a Chinese experiment. *Quarterly Journal of Economics*, 130 (1), 165-218.
- Bonner, J. M., Ruekert, R. W. and Walker, O. C. (2002) Upper management control of new product development projects and project performance. *Journal of Product Innovation Management*, 19 (3), 233-245.
- Bowers, M. R. (1989) Developing new services: improving the process makes it better. *Journal of Services Marketing*, 3 (1), 15-20.
- Bozarth, C. and McDermott, C. (1998) Configurations in manufacturing strategy: a review and directions for future research. *Journal of Operations Management*, 16 (4), 427-439.
- Braa, J., Hanseth, O., Heywood, A., Mohammed, W. and Shaw, V. (2007) Developing health information systems in developing countries: the flexible standards strategy. *MIS Quarterly*, 31 (2), 381-402.
- Brouwer, E. and Kleinknecht, A. (1997) Measuring the unmeasurable: a country's non-R&D expenditure on product and service innovation. *Research Policy*, 25 (8), 1235-1242.
- Calantone, R. J., Chan, K. and Cui, A. S. (2006) Decomposing product innovativeness and its effects on new product success. *Journal of Product Innovation Management*, 23 (5), 408-421.
- Calantone, R. J., Garcia, R. and Droge, C. (2003) The effects of environmental turbulence on new product development strategy planning. *Journal of Product Innovation*

- Management*, 20 (2), 90-103.
- Candi, M., van den Ende, J. and Gemser, G. (2013) Organizing innovation projects under technological turbulence. *Technovation*, 33 (4-5), 133-141.
- Capodagli, B. and Jackson, L. (2007) *The Disney Way: Harnessing the Management Secrets of Disney in Your Company*: McGraw-Hill.
- Carbonell, P., Rodriguez-Escudero, A. I. and Pujari, D. (2009) Customer involvement in new service development: an examination of antecedents and outcomes. *Journal of Product Innovation Management*, 26 (5), 536-550.
- Chan, A. D., Go, F. M. and Pine, R. (1998) Service innovation in Hong Kong: attitudes and practice. *Service Industries Journal*, 18 (2), 112-124.
- Chang, Y. C., Linton, J. D. and Chen, M. N. (2012) Service regime: an empirical analysis of innovation patterns in service firms. *Technological Forecasting and Social Change*, 79 (9), 1569-1582.
- Chen, J., Neubaum, D. O., Reilly, R. R. and Lynn, G. S. (2015a) The relationship between team autonomy and new product development performance under different levels of technological turbulence. *Journal of Operations Management*, 33-34, 83-96.
- Chen, J. S., Kerr, D., Tsang, S. S. and Sung, Y. C. (2015b) Co-production of service innovations through dynamic capability enhancement. *Service Industries Journal*, 35 (1-2), 96-114.
- Coombs, R. and Miles, I. (2000) Innovation, measurement and services: the new problematic. In: Metcalfe, J. S. and Miles, I. (eds), *Innovation systems in the service economy: measurement and case study analysis*. New York: Springer US, pp. 85-103.
- Cooper, C. (2006) Knowledge management and tourism. *Annals of Tourism Research*, 33 (1), 47-64.
- Cooper, R. G. and de Brentani, U. (1991) New industrial financial services: what distinguishes the winners. *Journal of Product Innovation Management*, 8 (2), 75-90.
- Cooper, R. G. and Kleinschmidt, E. J. (1995) Benchmarking the firm's critical success factors in new product development. *Journal of Product Innovation Management*, 12 (5), 374-391.
- Corrocher, N. and Zirulia, L. (2010) Demand and innovation in services: the case of mobile communications. *Research Policy*, 39 (7), 945-955.
- Damanpour, F. and Gopalakrishnan, S. (2001) The dynamics of the adoption of product and process innovations in organizations. *Journal of Management Studies*, 38 (1), 45-65.
- Danneels, E. (2002) The dynamics of product innovation and firm competences. *Strategic Management Journal*, 23 (12), 1095-1121.
- Danneels, E. and Kleinschmidt, E. J. (2001) Product innovativeness from the firm's

- perspective: its dimensions and their relation with project selection and performance. *Journal of Product Innovation Management*, 18 (6), 357-373.
- Danneels, E. and Sethi, R. (2011) New product exploration under environmental turbulence. *Organization Science*, 22 (4), 1026-1039.
- Dayan, M. and Di Benedetto, C. A. (2011) Team intuition as a continuum construct and new product creativity: the role of environmental turbulence, team experience, and stress. *Research Policy*, 40 (2), 276-286.
- de Brentani, U. (2001) Innovative versus incremental new business services: different keys for achieving success. *Journal of Product Innovation Management*, 18 (3), 169-187.
- de Brentani, U. and Kleinschmidt, E. J. (2004) Corporate culture and commitment: impact on performance of international new product development programs. *Journal of Product Innovation Management*, 21 (5), 309-333.
- de Brentani, U. and Ragot, E. (1996) Developing new business-to-business professional services: what factors impact performance? *Industrial Marketing Management*, 25 (6), 517-530.
- de Reuver, M. and Bouwman, H. (2012) Governance mechanisms for mobile service innovation in value networks. *Journal of Business Research*, 65 (3), 347-354.
- de Vries, E. J. (2006) Innovation in services in networks of organizations and in the distribution of services. *Research Policy*, 35 (7), 1037-1051.
- den Hertog, P. (2000) Knowledge-intensive business services as co-producers of innovation. *International Journal of Innovation Management*, 4 (4), 491-528.
- den Hertog, P., van der Aa, W. and de Jong, M. W. (2010) Capabilities for managing service innovation: towards a conceptual framework. *Journal of Service Management*, 21 (4), 490-514.
- Dervitsiotis, K. N. (2011) The challenge of adaptation through innovation based on the quality of the innovation process. *Total Quality Management & Business Excellence*, 22 (5), 553-566.
- Dickson, D., Ford, R. C. and Laval, B. (2005) Managing real and virtual waits in hospitality and service organizations. *Cornell Hotel and Restaurant Administration Quarterly*, 46 (1), 52-68.
- Djellal, F. and Gallouj, F. (2005) Mapping innovation dynamics in hospitals. *Research Policy*, 34 (6), 817-835.
- dos Santos, R. and Spann, M. (2011) Collective entrepreneurship at Qualcomm: combining collective and entrepreneurial practices to turn employee ideas into action. *R&D Management*, 41 (5), 443-456.
- Dotzel, T., Shankar, V. and Berry, L. L. (2013) Service innovativeness and firm value. *Journal of Marketing Research*, 50 (2), 259-276.
- Drejer, I. (2004) Identifying innovation in surveys of services: a Schumpeterian

- perspective. *Research Policy*, 33 (3), 551-562.
- Edgett, S. and Parkinson, S. (1994) The development of new financial services: identifying determinants of success and failure. *International Journal of Service Industry Management*, 5 (4), 24-38.
- Edvardsson, B. and Enquist, B. (2011) The service excellence and innovation model: lessons from IKEA and other service frontiers. *Total Quality Management & Business Excellence*, 22 (5), 535-551.
- Eisenhardt, K. M. and Graebner, M. E. (2007) Theory building from cases: opportunities and challenges. *Academy of Management Journal*, 50 (1), 25-32.
- Engen, M. and Magnusson, P. (2015) Exploring the role of front-line employees as innovators. *The Service Industries Journal*, 35 (6), 303-324.
- Evanschitzky, H., Eisend, M., Calantone, R. J. and Jiang, Y. (2012) Success factors of product innovation: an updated meta-analysis. *Journal of Product Innovation Management*, 29 (S1), 21-37.
- Fährnrich, K.-P. and Meiren, T. (2007) Service engineering: state of the art and future trends. In: Spath, D. and Fährnrich, K.-P. (eds), *Advances in services innovations*. Berlin, Heidelberg: Springer, pp. 3-16.
- Felekoglu, B. and Moultrie, J. (2014) Top management involvement in new product development: a review and synthesis. *Journal of Product Innovation Management*, 31 (1), 159-175.
- Fleuren, M., Wiefferink, K. and Paulussen, T. (2004) Determinants of innovation within health care organizations: literature review and Delphi study. *International Journal for Quality in Health Care*, 16 (2), 107-123.
- Fleuren, M. A. H., Paulussen, T. G. W. M., Van Dommelen, P. and Van Buuren, S. (2014) Towards a measurement instrument for determinants of innovations. *International Journal for Quality in Health Care*, 26 (5), 501-510.
- Floyd, S. W. and Lane, P. J. (2000) Strategizing throughout the organization: managing role conflict in strategic renewal. *Academy of Management Review*, 25 (1), 154-177.
- Ford, R. C. and Dickson, D. R. (2008) The father of Guestology: an interview with Bruce Laval. *Journal of Applied Management and Entrepreneurship*, 13 (3), 80-99.
- Ford, R. C., Edvardsson, B., Dickson, D. and Enquist, B. (2012) Managing the innovation co-creation challenge: lessons from service exemplars Disney and IKEA. *Organizational Dynamics*, 41 (4), 281-290.
- Fornell, C. and Larcker, D. F. (1981) Evaluating structural equation models with unobservable variables and measurement error. *Journal of Marketing Research*, 18 (1), 39-50.
- Froehle, C. M. and Roth, A. V. (2007) A resource-process framework of new service development. *Production and Operations Management*, 16 (2), 169-188.

- Froehle, C. M., Roth, A. V., Chase, R. B. and Voss, C. A. (2000) Antecedents of new service development effectiveness: an exploratory examination of strategic operations choices. *Journal of Service Research*, 3 (1), 3-17.
- Gadrey, J., Gallouj, F. and Weinstein, O. (1995) New modes of innovation: how services benefit industry. *International Journal of Service Industry Management*, 6 (3), 4-16.
- Gallouj, F. and Weinstein, O. (1997) Innovation in services. *Research Policy*, 26 (4-5), 537-556.
- Gallouj, F. and Windrum, P. (2009) Services and services innovation. *Journal of Evolutionary Economics*, 19 (2), 141-148.
- Garcia, R. and Calantone, R. (2002) A critical look at technological innovation typology and innovativeness terminology: a literature review. *Journal of Product Innovation Management*, 19 (2), 110-132.
- Gatignon, H., Tushman, M. L., Smith, W. and Anderson, P. (2002) A structural approach to assessing innovation: construct development of innovation locus, type, and characteristics. *Management Science*, 48 (9), 1103-1122.
- Gatignon, H. and Xuereb, J. M. (1997) Strategic orientation of the firm and new product performance. *Journal of Marketing Research*, 34 (1), 77-90.
- Gioia, D. A., Corley, K. G. and Hamilton, A. L. (2012) Seeking qualitative rigor in inductive research: notes on the Gioia methodology. *Organizational Research Methods*, 16 (1), 15-31.
- Gomes, J., de Weerd-Nederhof, P. C., Pearson, A. and Fisscher, O. A. M. (2001) Senior management support in the new product development process. *Creativity and Innovation Management*, 10 (4), 234-242.
- Griffin, A. (1997) PDMA research on new product development practices: updating trends and benchmarking best practices. *Journal of Product Innovation Management*, 14 (6), 429-458.
- Grisseman, U. S. and Stokburger-Sauer, N. E. (2012) Customer co-creation of travel services: the role of company support and customer satisfaction with the co-creation performance. *Tourism Management*, 33 (6), 1483-1492.
- Hair, J. F., Hult, G. T. M., Ringle, C. and Sarstedt, M. (2017) *A primer on partial least squares structural equation modeling (PLS-SEM)*. 2nd ed. Thousand Oaks, CA: Sage.
- Hair, J. F., Ringle, C. M. and Sarstedt, M. (2011) PLS-SEM: indeed a silver bullet. *Journal of Marketing Theory and Practice*, 19 (2), 139-152.
- Henard, D. H. and Szymanski, D. M. (2001) Why some new products are more successful than others. *Journal of Marketing Research*, 38 (3), 362-375.
- Henderson, I. L., Avis, M. and Tsui, W. H. K. (2018) Testing discontinuous innovations in the tourism industry: the case of scenic airship services. *Tourism Management*, 66,

- 167-179.
- Henseler, J., Ringle, C. and Sarstedt, M. (2015) A new criterion for assessing discriminant validity in variance-based structural equation modeling. *Journal of the Academy of Marketing Science*, 43 (1), 115-135.
- Heracleous, L. and Wirtz, J. (2014) Singapore Airlines: achieving sustainable advantage through mastering paradox. *The Journal of Applied Behavioral Science*, 50 (2), 150-170.
- Hjalager, A.-M. (1997) Innovation patterns in sustainable tourism: an analytical typology. *Tourism Management*, 18 (1), 35-41.
- Hjalager, A.-M. (2010) A review of innovation research in tourism. *Tourism Management*, 31 (1), 1-12.
- Hollenstein, H. (2003) Innovation modes in the Swiss service sector: a cluster analysis based on firm-level data. *Research Policy*, 32 (5), 845-863.
- Hsieh, J. K., Chiu, H. C., Wei, C. P., Yen, H. R. and Cheng, Y. C. (2013) A practical perspective on the classification of service innovations. *Journal of Services Marketing*, 27 (5), 371-384.
- Jaakkola, E. and Hallin, A. (2018) Organizational structures for new service development. *Journal of Product Innovation Management*, 35 (2), 280-297.
- Jamal, A. and Adelowore, A. (2008) Customer-employee relationship: the role of self-employee congruence. *European Journal of Marketing*, 42 (11-12), 1316-1345.
- Jayaram, J. and Narasimhan, R. (2007) The influence of new product development competitive capabilities on project performance. *IEEE Transactions on Engineering Management*, 54 (2), 241-256.
- Johnson, S. P., Menor, L. J., Roth, A. V. and Chase, R. B. (2000) A critical evaluation of the new service development process: integrating service innovation and service design. In: Fitzsimmons, J. A. and Fitzsimmons, M. J. (eds), *New service development: creating memorable experiences*. Thousand Oaks, CA: Sage, pp. 1-32.
- Kenny, D. A. (2015) *Moderator variables: introduction*. <http://davidakenny.net/cm/moderation.htm>.
- Kessler, E. H. and Bierly, P. E. (2002) Is faster really better? An empirical test of the implications of innovation speed. *IEEE Transactions on Engineering Management*, 49 (1), 2-12.
- Kimes, S. E. and Young, F. S. (1997) The Shuttle by United. *Interfaces*, 27 (3), 1-13.
- Kindstrom, D., Kowalkowski, C. and Sandberg, E. (2013) Enabling service innovation: a dynamic capabilities approach. *Journal of Business Research*, 66 (8), 1063-1073.
- Kleinschmidt, E. J. and Cooper, R. G. (1991) The impact of product innovativeness on performance. *Journal of Product Innovation Management*, 8 (4), 240-251.
- Kleinschmidt, E. J., de Brentani, U. and Salomo, S. (2007) Performance of global new



- product development programs: a resource-based view. *Journal of Product Innovation Management*, 24 (5), 419-441.
- Kock, A., Gemünden, H. G., Salomo, S. and Schultz, C. (2011) The mixed blessings of technological innovativeness for the commercial success of new products. *Journal of Product Innovation Management*, 28 (S1), 28-43.
- Kowalkowski, C. (2011) Dynamics of value propositions: insights from service-dominant logic. *European Journal of Marketing*, 45 (1-2), 277-294.
- Langley, A. (1999) Strategies for theorizing from process data. *Academy of Management Review*, 24 (4), 691-710.
- Lin, M. J. J., Huang, C. H. and Chiang, I. C. (2012) Explaining trade-offs in new product development speed, cost, and quality: the case of high-tech industry in Taiwan. *Total Quality Management & Business Excellence*, 23 (9-10), 1107-1123.
- Loch, C. H., Solt, M. E. and Bailey, E. M. (2008) Diagnosing unforeseeable uncertainty in a new venture. *Journal of Product Innovation Management*, 25 (1), 28-46.
- Lusch, R. F. and Nambisan, S. (2015) Service innovation: a service-dominant logic perspective. *MIS Quarterly*, 39 (1), 155-175.
- Maidique, M. A. and Zirger, B. J. (1984) A study of success and failure in product innovation: the case of the US electronics industry. *IEEE Transactions on Engineering Management*, 31 (4), 192-203.
- Martin, C. R. and Horne, D. A. (1995) Level of success inputs for service innovations in the same firm. *International Journal of Service Industry Management*, 6 (4), 40-56.
- Martínez-Ros, E. and Orfila-Sintes, F. (2009) Innovation activity in the hotel industry. *Technovation*, 29 (9), 632-641.
- Melton, H. L. and Hartline, M. D. (2010) Customer and frontline employee influence on new service development performance. *Journal of Service Research*, 13 (4), 411-425.
- Melton, H. L. and Hartline, M. D. (2013) Employee collaboration, learning orientation, and new service development performance. *Journal of Service Research*, 16 (1), 67-81.
- Menor, L. J., Tatikonda, M. V. and Sampson, S. E. (2002) New service development: areas for exploitation and exploration. *Journal of Operations Management*, 20 (2), 135-157.
- Miller, F. A. and French, M. (2016) Organizing the entrepreneurial hospital: hybridizing the logics of healthcare and innovation. *Research Policy*, 45 (8), 1534-1544.
- Miozzo, M. and Soete, L. (2001) Internationalization of services: a technological perspective. *Technological Forecasting and Social Change*, 67 (2-3), 159-185.
- Montoya-Weiss, M. M. and Calantone, R. (1994) Determinants of new product performance: a review and meta-analysis. *Journal of Product Innovation Management*, 11 (5), 397-417.
- Nieves, J. and Segarra-Cipres, M. (2015) Management innovation in the hotel industry.

- Tourism Management*, 46, 51-58.
- O'Cass, A. and Sok, P. (2013) Exploring innovation driven value creation in B2B service firms: the roles of the manager, employees, and customers in value creation. *Journal of Business Research*, 66 (8), 1074-1084.
- Oke, A. (2007) Innovation types and innovation management practices in service companies. *International Journal of Operations & Production Management*, 27 (6), 564-587.
- Olson, E. M., Walker, O. C. and Ruekert, R. W. (1995) Organizing for effective new product development: the moderating role of product innovativeness. *Journal of Marketing*, 59 (1), 48-62.
- Ordanini, A. and Parasuraman, A. (2011) Service innovation viewed through a service-dominant logic lens: a conceptual framework and empirical analysis. *Journal of Service Research*, 14 (1), 3-23.
- Ostrom, A. L., Parasuraman, A., Bowen, D. E., Patrício, L. and Voss, C. A. (2015) Service research priorities in a rapidly changing context. *Journal of Service Research*, 18 (2), 127-159.
- Page, A. L. and Schirr, G. R. (2008) Growth and development of a body of knowledge: 16 years of new product development research, 1989–2004. *Journal of Product Innovation Management*, 25 (3), 233-248.
- Paswan, A., D'Souza, D. and Zolfagharian, M. A. (2009) Toward a contextually anchored service innovation typology. *Decision Sciences*, 40 (3), 513-540.
- Podsakoff, P. M., MacKenzie, S. B., Lee, J. Y. and Podsakoff, N. P. (2003) Common method biases in behavioral research: a critical review of the literature and recommended remedies. *Journal of Applied Psychology*, 88 (5), 879-903.
- Podsakoff, P. M. and Organ, D. W. (1986) Self-reports in organizational research: problems and prospects. *Journal of Management*, 12 (4), 531-544.
- Rangus, K. and Slavec, A. (2017) The interplay of decentralization, employee involvement and absorptive capacity on firms' innovation and business performance. *Technological Forecasting and Social Change*, 120, 195-203.
- Reid, S. E. and de Brentani, U. (2004) The fuzzy front end of new product development for discontinuous innovations: a theoretical model. *Journal of Product Innovation Management*, 21 (3), 170-184.
- Rubalcaba, L., Michel, S., Sundbo, J., Brown, S. W. and Reynoso, J. (2012) Shaping, organizing, and rethinking service innovation: a multidimensional framework. *Journal of Service Management*, 23 (5), 696-715.
- Salge, T. O., Farchi, T., Barrett, M. I. and Dopson, S. (2013) When does search openness really matter? A contingency study of health-care innovation projects. *Journal of Product Innovation Management*, 30 (4), 659-676.

- Salomo, S., Weise, J. and Gemunden, H. G. (2007) NPD planning activities and innovation performance: the mediating role of process management and the moderating effect of product innovativeness. *Journal of Product Innovation Management*, 24 (4), 285-302.
- Salunke, S., Weerawardena, J. and McColl-Kennedy, J. R. (2013) Competing through service innovation: the role of bricolage and entrepreneurship in project-oriented firms. *Journal of Business Research*, 66 (8), 1085-1097.
- Sang, M. L., DonHee, L. and Marc, J. S. (2011) Supply chain innovation and organizational performance in the healthcare industry. *International Journal of Operations & Production Management*, 31 (11), 1193-1214.
- Sarstedt, M., Becker, J.-M., Ringle, C. M. and Schwaiger, M. (2011) Uncovering and treating unobserved heterogeneity with FIMIX-PLS: which model selection criterion provides an appropriate number of segments? *Schmalenbach Business Review*, 63, 34-62.
- Sarstedt, M., Hair, J. F., Ringle, C. M., Thiele, K. O. and Gudergan, S. P. (2016) Estimation issues with PLS and CBSEM: where the bias lies! *Journal of Business Research*, 69 (10), 3998-4010.
- Schreyögg, G. and Kliesch-Eberl, M. (2007) How dynamic can organizational capabilities be? Towards a dual-process model of capability dynamization. *Strategic Management Journal*, 28 (9), 913-933.
- Schultz, C., Salomo, S., de Brentani, U. and Kleinschmidt, E. J. (2013a) How formal control influences decision-making clarity and innovation performance. *Journal of Product Innovation Management*, 30 (3), 430-447.
- Schultz, C., Salomo, S. and Talke, K. (2013b) Measuring new product portfolio innovativeness: how differences in scale width and evaluator perspectives affect its relationship with performance. *Journal of Product Innovation Management*, 30 (S1), 93-109.
- Siggelkow, N. (2007) Persuasion with case studies. *Academy of Management Journal*, 50 (1), 20-24.
- Sirilli, G. and Evangelista, R. (1998) Technological innovation in services and manufacturing: results from Italian surveys. *Research Policy*, 27 (9), 881-899.
- Skålén, P., Gummerus, J., von Koskull, C. and Magnusson, P. R. (2015) Exploring value propositions and service innovation: a service-dominant logic study. *Journal of the Academy of Marketing Science*, 43 (2), 137-158.
- Smith, A. M. and Fischbacher, M. (2005) New service development: a stakeholder perspective. *European Journal of Marketing*, 39 (9/10), 1025-1048.
- Snyder, H., Witell, L., Gustafsson, A., Fombelle, P. and Kristensson, P. (2016) Identifying categories of service innovation: a review and synthesis of the literature. *Journal of*

- Business Research*, 69 (7), 2401-2408.
- Song, X. M. and Montoya-Weiss, M. M. (1998) Critical development activities for really new versus incremental products. *Journal of Product Innovation Management*, 15 (2), 124-135.
- Song, X. M. and Parry, M. E. (1997) A cross-national comparative study of new product development processes: Japan and the United States. *Journal of Marketing*, 61 (2), 1-18.
- Srivastava, S. C. and Shainesh, G. (2015) Bridging the service divide through digitally enabled service innovations: evidence from Indian healthcare service providers. *MIS Quarterly*, 39 (1), 245-267.
- Storey, C., Cankurtaran, P., Papastathopoulou, P. and Hultink, E. J. (2016) Success factors for service innovation: a meta-analysis. *Journal of Product Innovation Management*, 33 (5), 527-548.
- Storey, C. and Larbig, C. (2018) Absorbing customer knowledge: how customer involvement enables service design success. *Journal of Service Research*, 21 (1), 101-118.
- Sundbo, J. (1997) Management of innovation in services. *Service Industries Journal*, 17 (3), 432-455.
- Sven, T., Jochen, W. and Loizos, H. (2018) How do innovators stay innovative? A longitudinal case analysis. *Journal of Services Marketing*, 32 (1), 34-45.
- Swink, M. (2000) Technological innovativeness as a moderator of new product design integration and top management support. *Journal of Product Innovation Management*, 17 (3), 208-220.
- Szymanski, D. M., Kroff, M. W. and Troy, L. C. (2007) Innovativeness and new product success: insights from the cumulative evidence. *Journal of the Academy of Marketing Science*, 35 (1), 35-52.
- Talke, K., Salomo, S., Wieringa, J. E. and Lutz, A. (2009) What about design newness? Investigating the relevance of a neglected dimension of product innovativeness. *Journal of Product Innovation Management*, 26 (6), 601-615.
- Teece, D. J. (2007) Explicating dynamic capabilities: the nature and microfoundations of (sustainable) enterprise performance. *Strategic Management Journal*, 28 (13), 1319-1350.
- Thomke, S. (2003) R&D comes to services: Bank of America's pathbreaking experiments. *Harvard Business Review*, 81 (4), 70-79, 122.
- Toivonen, M. and Tuominen, T. (2009) Emergence of innovations in services. *Service Industries Journal*, 29 (7), 887-902.
- Umashankar, N., Srinivasan, R. and Hindman, D. (2011) Developing customer service innovations for service employees: the effects of NSD characteristics on internal

- innovation magnitude. *Journal of Service Research*, 14 (2), 164-179.
- Unger, B. N., Kock, A., Gemünden, H. G. and Jonas, D. (2012) Enforcing strategic fit of project portfolios by project termination: an empirical study on senior management involvement. *International Journal of Project Management*, 30 (6), 675-685.
- Vargo, S. L. and Lusch, R. F. (2016) Institutions and axioms: an extension and update of service-dominant logic. *Journal of the Academy of Marketing Science*, 44 (1), 5-23.
- Vermeulen, P. A. M., De Jong, J. P. J. and O'Shaughnessy, K. C. (2005) Identifying key determinants for new product introductions and firm performance in small service firms. *The Service Industries Journal*, 25 (5), 625-640.
- Vinig, T. and Bossink, B. (2015) China's indigenous innovation approach: the emergence of Chinese innovation theory? *Technology Analysis & Strategic Management*, 27 (6), 621-627.
- Weidenfeld, A., Williams, A. M. and Butler, R. W. (2010) Knowledge transfer and innovation among attractions. *Annals of Tourism Research*, 37 (3), 604-626.
- Wetzels, M., Odekerken-Schröder, G. and van Oppen, C. (2009) Using PLS path modeling for assessing hierarchical construct models: guidelines and empirical illustration. *MIS Quarterly*, 33 (1), 177-195.
- Wilden, R., Akaka, M. A., Karpen, I. O. and Hohberger, J. (2017) The evolution and prospects of service-dominant logic: an investigation of past, present, and future research. *Journal of Service Research*, 20 (4), 345-361.
- Windrum, P. and García-Goñi, M. (2008) A neo-Schumpeterian model of health services innovation. *Research Policy*, 37 (4), 649-672.
- Witell, L., Gebauer, H., Jaakkola, E., Hammedi, W., Patricio, L. and Perks, H. (2017) A bricolage perspective on service innovation. *Journal of Business Research*, 79 (Supplement C), 290-298.
- Witell, L., Snyder, H., Gustafsson, A., Fombelle, P. and Kristensson, P. (2016) Defining service innovation: a review and synthesis. *Journal of Business Research*, 69 (8), 2863-2872.
- Wu, L. (2010) Managing design quality and conformance quality: models and insights. *Total Quality Management & Business Excellence*, 21 (4), 383-389.
- Xiao, B. and Benbasat, I. (2007) E-commerce product recommendation agents: use, characteristics, and impact. *MIS Quarterly*, 31 (1), 137-209.
- Yin, R. K. (2014) *Case study research: design and methods*. 5th ed. Thousand Oaks: Sage.
- Zomerdijk, L. G. and Voss, C. A. (2011) NSD processes and practices in experiential services. *Journal of Product Innovation Management*, 28 (1), 63-80.

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