

APPENDIX A – ARTICLES INCLUDED IN THE LITERATURE REVIEW

- Ahn, J.M., T. Minshall, & L. Mortara. (2017) "Understanding the human side of openness: The fit between open innovation modes and CEO characteristics." *R&D Management* 47(5): 727-740.
- Ahn, J. M., Mortara, L., & Minshall, T. (2018). "Dynamic capabilities and economic crises: Has openness enhanced a firm's performance in an economic downturn?". *Industrial and Corporate Change*, 27(1), 49-63.
- Alexy, O., Bascavusoglu-Moreau, E., & Salter, A. J. (2016). "Toward an aspiration-level theory of open innovation". *Industrial and Corporate Change*, 25(2), 289-306
- Allarakhia, M., & Walsh, S. (2011). "Managing knowledge assets under conditions of radical change: The case of the pharmaceutical industry". *Technovation*, 31(2-3), 105-117.
- Andries, P., & Faems, D. (2013). "Patenting activities and firm performance: Does firm size matter?". *Journal of Product Innovation Management*, 30(6), 1089-1098.
- Anokhin, S., Örtqvist, D., Thorgren, S., & Wincent, J. (2011). "Corporate venturing deal syndication and innovation: The information exchange paradox". *Long Range Planning*, 44(2), 134-151.
- Ardito, L., Natalicchio, A., Messeni Petruzzelli, A., & Garavelli, A. C. (2018). "Organizing for continuous technology acquisition: The role of R&D geographic dispersion". *R&D Management*, 48(2), 165-176.
- Arora, A., Athreye, S., & Huang, C. (2016). "The paradox of openness revisited: Collaborative innovation and patenting by UK innovators". *Research Policy*, 45(7), 1352-1361.
- Asakawa, K., Nakamura, H., & Sawada, N. (2010). "Firms' open innovation policies, laboratories' external collaborations, and laboratories' R&D performance". *R&D Management*, 40(2), 109-123.
- Audretsch, D. B., & Belitski, M. (2020). The limits to collaboration across four of the most innovative UK industries. *British Journal of Management*, 31(4), 830-855.
- Audretsch, B. D., & Belitski, M. (2022). "The limits to open innovation and its impact on Innovation Performance". *Technovation*, 102519, forthcoming.
- Aylen, J. (2010). "Open versus closed innovation: development of the wide strip mill for steel in the United States during the 1920s" *R&D Management*, 40(1), 67-80.
- Belderbos, R., Cassiman, B., Faems, D., Leten, B., & Van Looy, B. (2014). "Co-ownership of intellectual property: Exploring the value-appropriation and value-creation implications of co-patenting with different partners". *Research Policy*, 43(5), 841-852.
- Belussi, F., A. Sammarra, & S. R. Sedita. Bianchi, M., Croce, A., Dell'Era, C., Di Benedetto, C. A., & Frattini, F. (2016). "Organizing for inbound open innovation: how external consultants and a dedicated R & D unit influence product innovation performance". *Journal of Product Innovation Management*, 33(4), 492-510.
- Berchicci, L. (2013) "Towards an open R&D system: Internal R&D investment, external knowledge acquisition and innovative performance." *Research Policy* 42(1): 117-127.
- Bhaskarabhatla, A., & D. Hegde (2014) "An organizational perspective on patenting and open innovation." *Organization Science* 25(6): 1744-1763.
- Bianchi, M., Cavaliere, A., Chiaroni, D., Frattini, F., & Chiesa, V. (2011). "Organisational modes for Open Innovation in the bio-pharmaceutical industry: An exploratory analysis". *Technovation*, 31(1), 22-33.

- Bianchi, M., Chiaroni, D., Chiesa, V., & Frattini, F. (2011). "Organizing for external technology commercialization: evidence from a multiple case study in the pharmaceutical industry". *R&D Management*, 41(2), 120-137.
- Bianchi, M., Croce, A., Dell'Era, C., Di Benedetto, C. A., & Frattini, F. (2016). "Organizing for inbound open innovation: how external consultants and a dedicated R & D unit influence product innovation performance". *Journal of Product Innovation Management*, 33(4), 492-510.
- Bianchi, M., & Lejarraga, J. (2016). "Learning to license technology: the role of experience and workforce's skills in Spanish manufacturing firms". *R&D Management*, 46(S2), 691-705.
- Bogers, M., Foss, N. J., & Lynsje, J. (2018). "The "human side" of open innovation: The role of employee diversity in firm-level openness". *Research Policy*, 47(1), 218-231.
- Bogers, M., & Horst, W. (2014). "Collaborative prototyping: Cross-fertilization of knowledge in prototype-driven problem solving". *Journal of Product Innovation Management*, 31(4), 744-764.
- Bonesso, S., Comacchio, A., & Pizzi, C. (2011). "Technology sourcing decisions in exploratory projects". *Technovation*, 31(10-11), 573-585.
- Brown, R., & C. Mason (2014) "Inside the high-tech black box: A critique of technology entrepreneurship policy." *Technovation* 34(12): 773-784.
- Burcharth, A. L., Knudsen, M. P., & Søndergaard, H. A. (2014). "Neither invented nor shared here: The impact and management of attitudes for the adoption of open innovation practices". *Technovation*, 34(3), 149-161.
- Caetano, M., & D. C. Amaral (2011) "Roadmapping for technology push and partnership: A contribution for open innovation environments." *Technovation*, 31(7): 320-335.
- Cano-Kollmann, M., R. D. Hamilton III, & R. Mudambi. (2017) "Public support for innovation and the openness of firms' innovation activities." *Industrial and Corporate Change* 26(3): 421-442
- Cassanelli, A. N., Fernandez-Sanchez, G., & Guiridlian, M. C. (2017). "Principal researcher and project manager: who should drive R&D projects?" *R&D Management*, 47(2), 277-287.
- Cassiman, B., & Valentini, G. (2016). "Open innovation: are inbound and outbound knowledge flows really complementary?". *Strategic Management Journal*, 37(6), 1034-1046.
- Cassiman, B., & Valentini, G. (2009). Strategic organization of R&D: the choice of basicness and openness. *Strategic Organization*, 7(1), 43-73.
- Chatterji, A. K., & K. R. Fabrizio. (2014) "Using users: When does external knowledge enhance corporate product innovation?" *Strategic Management Journal*, 35(10): 1427-1445.
- Chatterji, A. K., & Fabrizio, K. R. (2016). "Does the market for ideas influence the rate and direction of innovative activity? Evidence from the medical device industry." *Strategic Management Journal*, 37(3), 447-465.
- Chen, Y., Vanhaverbeke, W., & Du, J. (2016). "The interaction between internal R & D and different types of external knowledge sourcing: an empirical study of Chinese innovative firms". *R&D Management*, 46(S3), 1006-1023.
- Cheng, C.J., & K.R.E. Huizingh (2014). "When is open innovation beneficial? The role of strategic orientation." *Journal of Product Innovation Management*, 31(6): 1235-1253.
- Chesbrough, H. (2003). *Open Innovation: The New Imperative for Creating and Profiting from Technology*. Cambridge (MA): Harvard Business Press.
- Chesbrough, H., & Crowther, A. K. (2006). "Beyond high tech: early adopters of open innovation in other industries." *R&D Management*, 36(3), 229-236.

- Chesbrough, H. & Di Minin, A. (2014). "Open Social Innovation." In: Chesbrough, H., Vanhaverbeke, W., & West, J. (Eds.), *New Frontiers in Open Innovation*, pp. 169-190. Oxford: Oxford University Press.
- Chesbrough, H. & Winter, C. (2014). "Managing Inside-Out Open Innovation: The Case of Complex Ventures" In: Chesbrough, H., Vanhaverbeke, W., & West, J. (Eds.), *New Frontiers in Open Innovation*, pp. 208-222. Oxford: Oxford University Press.
- Chiang, Y.H., & Hung, K. P. (2010). "Exploring open search strategies and perceived innovation performance from the perspective of inter-organizational knowledge flows." *R&D Management* 40(3): 292-299.
- Chiaroni, D., Chiesa, V., & Frattini, F. (2010). "Unravelling the process from Closed to Open Innovation: evidence from mature, asset-intensive industries". *R&D Management*, 40(3), 222-245.
- Chiaroni, D., Chiesa, V., & Frattini, F. (2011). "The Open Innovation Journey: How firms dynamically implement the emerging innovation management paradigm." *Technovation*, 31(1), 34-43.
- Christensen, J. F., M. H. Olesen, & J. S. Kjær (2005). "The industrial dynamics of Open Innovation—Evidence from the transformation of consumer electronics." *Research Policy*, 34(10): 1533-1549.
- Cruz-González, J., López-Sáez, P., Navas-López, J. E., & Delgado-Verde, M. (2015). "Open search strategies and firm performance: The different moderating role of technological environmental dynamism". *Technovation*, 35, 32-45.
- Dahlander, L., & Piezunka, H. (2014). "Open to suggestions: How organizations elicit suggestions through proactive and reactive attention." *Research Policy*, 43(5), 812-827.
- Dittrich, K., & Duysters, G. (2007). "Networking as a means to strategy change: the case of open innovation in mobile telephony." *Journal of Product Innovation Management* 24(6): 510-521.
- Dodgson, M., Gann, D., & Salter, A. (2006). "The role of technology in the shift towards open innovation: the case of Procter & Gamble." *R&D Management*, 36(3), 333-346.
- Chatenier, E. D., Verstegen, J. A., Biemans, H. J., Mulder, M., & Omta, O. S. F. (2010). "Identification of competencies for professionals in open innovation teams." *R&D Management*, 40(3), 271-280.
- Du, J., Leten, B., & Vanhaverbeke, W. (2014). "Managing open innovation projects with science-based and market-based partners". *Research Policy*, 43(5), 828-840.
- Du, S., Yalcinkaya, G., & Bstieler, L. (2016). "Sustainability, social media driven open innovation, and new product development performance." *Journal of Product Innovation Management*, 33, 55-71.
- Dubiel, A., Durmusoglu, S. S., & Gloeckner, S. (2016). "Firm characteristics and NPD program success: the significant influence of global discovery management." *Journal of Product Innovation Management*, 33, 86-100.
- Dunlap-Hinkler, D., Kotabe, M., & Mudambi, R. (2010). "A story of breakthrough versus incremental innovation: Corporate entrepreneurship in the global pharmaceutical industry". *Strategic Entrepreneurship Journal*, 4(2), 106-127.
- Egbetokun, A. (2015). "The more the merrier? Network portfolio size and innovation performance in Nigerian firms." *Technovation*, 43, 17-28.

- Enkel, E., & Bader, K. (2016). "Why do experts contribute in cross-industry innovation? A structural model of motivational factors, intention and behavior." *R&D Management* 46(S1): 207-226.
- Enkel, E., & Gassmann, O. (2010). "Creative imitation: exploring the case of cross-industry innovation." *R&D Management*, 40(3), 256-270.
- Enkel, E., Heil, S., Hengstler, M., & Wirth, H. (2017). „Exploratory and exploitative innovation: To what extent do the dimensions of individual level absorptive capacity contribute?“. *Technovation*, 60, 29-38.
- Enkel, E., & V. Sagmeister. (2020). "External corporate venturing modes as new way to develop dynamic capabilities." *Technovation* 96: 102128.
- Faems, D., De Visser, M., Andries, P., & Van Looy, B. (2010). "Technology alliance portfolios and financial performance: value-enhancing and cost-increasing effects of open innovation." *Journal of Product Innovation Management*, 27(6), 785-796.
- Fleming, L., & Waguespack, D. M. (2007). "Brokerage, boundary spanning, and leadership in open innovation communities". *Organization Science*, 18(2), 165-180.
- Franke, N., M. K. Poetz, & M. Schreier. (2014). "Integrating problem solvers from analogous markets in new product ideation." *Management Science* 60(4): 1063-1081.
- Frishammar, J., K. Ericsson, & P. C. Patel. (2015). "The dark side of knowledge transfer: Exploring knowledge leakage in joint R&D projects." *Technovation* 41: 75-88.
- Galán-Muros, V., & Plewa, C. (2016). "What drives and inhibits university-business cooperation in Europe? A comprehensive assessment". *R&D Management*, 46(2), 369-382.
- Gambardella, A., & Panico, C. (2014). "On the management of open innovation." *Research Policy*, 43(5), 903-913.
- Gegenhuber, T., & Dobusch, L. (2017). "Making an impression through openness: how open strategy-making practices change in the evolution of new ventures." *Long Range Planning*, 50(3), 337-354.
- Gesing, J., Antons, D., Piening, E. P., Rese, M., & Salge, T. O. (2015). "Joining Forces or Going It Alone? On the Interplay among External Collaboration Partner Types, Interfirm Governance Modes, and Internal R&D". *Journal of Product Innovation Management*, 32(3), 424-440.
- Ghisetti, C., Marzucchi, A., & Montresor, S. (2015). "The open eco-innovation mode. An empirical investigation of eleven European countries". *Research Policy*, 44(5), 1080-1093.
- Giannopoulou, E., P.J. Barlatier, & J. Pénin. (2019) "Same but different? Research and technology organizations, universities and the innovation activities of firms." *Research Policy* 48(1): 223-233.
- Gilsing V., M. Cloudt, & N. Roijakkers. (2016)"From birth through transition to maturation: The evolution of technology-based alliance networks." *Journal of Product Innovation Management*, 33(2): 181-200.
- Greul, A., West, J., & Bock, S. (2018). "Open at birth? Why new firms do (or don't) use open innovation." *Strategic Entrepreneurship Journal*, 12(3), 392-420.
- Großmann, A.M., E. Filipović, & L. Lazina. (2016) "The strategic use of patents and standards for new product development knowledge transfer." *R&D Management* 46(2): 312-325.
- Halbinger, M. A. (2018). "The role of makerspaces in supporting consumer innovation and diffusion: An empirical analysis." *Research Policy* 47.10: 2028-2036.

- Hannen, J., Antons, D., Piller, F., Salge, T. O., Coltman, T., & Devinney, T. M. (2019). "Containing the Not-Invented-Here Syndrome in external knowledge absorption and open innovation: The role of indirect countermeasures". *Research Policy*, 48(9), 103822.
- Hannigan, T. R., Seidel, V. P., & Yakis-Douglas, B. (2018). "Product innovation rumors as forms of open innovation." *Research Policy*, 47(5), 953-964.
- Harryson, S. J. (2008). "Entrepreneurship through relationships—navigating from creativity to commercialization". *R&D Management*, 38(3), 290-310.
- Henkel, J., Schöberl, S., & Alexy, O. (2014). "The emergence of openness: How and why firms adopt selective revealing in open innovation." *Research Policy* 43(5): 879-890.
- Ho, Y. P., Ruan, Y., Hang, C. C., & Wong, P. K. (2016). "Technology upgrading of Small-and-Medium-sized Enterprises (SMEs) through a manpower secondment strategy—A mixed-methods study of Singapore's T-Up program." *Technovation*, 57, 21-29.
- Holgerson, M., Granstrand, O., & Bogers, M. (2018). "The evolution of intellectual property strategy in innovation ecosystems: Uncovering complementary and substitute appropriability regimes". *Long Range Planning*, 51(2), 303-319.
- Holmes, S., & Smart, P. (2009). "Exploring open innovation practice in firm-nonprofit engagements: a corporate social responsibility perspective". *R&D Management*, 39(4), 394-409.
- Hopkins, M. M., Tidd, J., Nightingale, P., & Miller, R. (2011). "Generative and degenerative interactions: positive and negative dynamics of open, user-centric innovation in technology and engineering consultancies." *R&D Management*, 41(1), 44-60.
- Hsieh, K. N., & Tidd, J. (2012). "Open versus closed new service development: The influences of project novelty." *Technovation*, 32(11), 600-608.
- Hsieh, W. L., Ganotakis, P., Kafouros, M., & Wang, C. (2018). "Foreign and domestic collaboration, product innovation novelty, and firm growth." *Journal of Product Innovation Management*, 35(4), 652-672.
- Hu, Y., P. McNamara & D. McLoughlin. (2015) "Outbound open innovation in bio-pharmaceutical out-licensing." *Technovation* 35: 46-58.
- Hughes, B., & Wareham, J. (2010). "Knowledge arbitrage in global pharma: a synthetic view of absorptive capacity and open innovation." *R&D Management*, 40(3), 324-343.
- Hurmelinna, P., Kyläheiko, K., & Jauhiainen, T. (2007). "The Janus face of the appropriability regime in the protection of innovations: Theoretical re-appraisal and empirical analysis." *Technovation*, 27(3), 133-144.
- Igartua, J. I., Garrigós, J. A., & Hervas-Oliver, J. L. (2010). "How innovation management techniques support an open innovation strategy." *Research-Technology Management*, 53(3), 41-52.
- Ili, S., Albers, A., & Miller, S. (2010). "Open innovation in the automotive industry". *R&D Management*, 40(3), 246-255.
- Inauen, M., & Schenker-Wicki, A. (2011). "The impact of outside-in open innovation on innovation performance." *European Journal of Innovation Management*, 14(4), 496-520.
- Iseke, A., Kocks, B., Schneider, M. R., & Schulze-Bentrop, C. (2015). „Cross-cutting organizational and demographic divides and the performance of research and development teams: two wrongs can make a right". *R&D Management*, 45(1), 23-40.
- Jacobides, M. G., & Billinger, S. (2006). "Designing the boundaries of the firm: From “make, buy, or ally” to the dynamic benefits of vertical architecture." *Organization Science*, 17(2), 249-261.

- Jeong, Y., & Yoon, B. (2015). "Development of patent roadmap based on technology roadmap by analyzing patterns of patent development." *Technovation*, 39, 37-52.
- Jugend, D., Jabbour, C. J. C., Scaliza, J. A. A., Rocha, R. S., Junior, J. A. G., Latan, H., & Salgado, M. H. (2018). "Relationships among open innovation, innovative performance, government support and firm size: Comparing Brazilian firms embracing different levels of radicalism in innovation". *Technovation*, 74, 54-65.
- Kennedy, S., G. Whiteman, & J. van den Ende. (2017) "Radical innovation for sustainability: The power of strategy and open innovation." *Long Range Planning* 50(6): 712-725.
- Keupp, M. M., & O. Gassmann. (2009) "Determinants and archetype users of open innovation." *R&D Management*, 39(4): 331-341.
- Kim, J., Kim, S., & Lee, C. (2019). "Anticipating technological convergence: Link prediction using Wikipedia hyperlinks." *Technovation*, 79, 25-34.
- Kim, N., Kim, D. J., & Lee, S. (2015). „Antecedents of open innovation at the project level: empirical analysis of Korean firms". *R&D Management*, 45(5), 411-439.
- Klerkx, L., & Aarts, N. (2013) "The interaction of multiple champions in orchestrating innovation networks: Conflicts and complementarities." *Technovation*, 33.6-7: 193-210.
- Knudsen, M. P., & Mortensen, T. B. (2011). "Some immediate—but negative—effects of openness on product development performance". *Technovation*, 31(1), 54-64.
- Kohler, T., Matzler, K., & Füller, J. (2009). „Avatar-based innovation: Using virtual worlds for real-world innovation". *Technovation*, 29(6-7), 395-407.
- Lakemond, N., Bengtsson, L., Laursen, K., & Tell, F. (2016). "Match and manage: the use of knowledge matching and project management to integrate knowledge in collaborative inbound open innovation". *Industrial and Corporate Change*, 25(2), 333-352.
- Laursen, K., & Salter, A. J. (2014). "The paradox of openness: Appropriability, external search and collaboration." *Research Policy*, 43(5), 867-878.
- Lazarrotti, V., & Manzini, R. (2009). "Different modes of open innovation: a theoretical framework and an empirical study." *International Journal of Innovation Management*, 13(04), 615-636.
- Lee, S., Park, G., Yoon, B., & Park, J. (2010). "Open innovation in SMEs—An intermediated network model". *Research Policy*, 39(2), 290-300.
- Lee, S. M., Hwang, T., & Choi, D. (2012). "Open innovation in the public sector of leading countries". *Management Decision*, 50(1), 147-162.
- Lopez-Vega, H., Tell, F., & Vanhaverbeke, W. (2016). "Where and how to search? Search paths in open innovation." *Research Policy*, 45(1), 125-136.
- Love, J. H., Roper, S., & Vahter, P. (2014). "Dynamic complementarities in innovation strategies". *Research Policy*, 43(10), 1774-1784.
- Love, J. H., Roper, S., & Vahter, P. (2014). "Learning from openness: The dynamics of breadth in external innovation linkages." *Strategic Management Journal*, 35(11), 1703-1716.
- Manning, S. (2017). "The rise of project network organizations: Building core teams and flexible partner pools for interorganizational projects". *Research Policy*, 46(8), 1399-1415.
- Manzini, R., Lazarrotti, V., & Pellegrini, L. (2017). "How to remain as closed as possible in the open innovation era: the case of Lindt & Sprüngli". *Long Range Planning*, 50(2), 260-281.
- Markham, S. K., & H. Lee. (2013) "Product Development and Management Association's 2012 Comparative Performance Assessment Study." *Journal of Product Innovation Management*, 30(3): 408-429.

- Martinez, M. G., Zouaghi, F., & Garcia, M. S. (2017). "Capturing value from alliance portfolio diversity: The mediating role of R&D human capital in high and low tech industries." *Technovation*, 59, 55-67.
- Masucci, M., S. Brusoni, & C. Cennamo. (2020) "Removing bottlenecks in business ecosystems: The strategic role of outbound open innovation." *Research Policy* 49(1): 103823.
- Mention, A. L. (2011). "Co-operation and co-opetition as open innovation practices in the service sector: Which influence on innovation novelty?." *Technovation*, 31(1), 44-53.
- Miller, K., McAdam, R., Moffett, S., Alexander, A., & Puthusserry, P. (2016). "Knowledge transfer in university quadruple helix ecosystems: an absorptive capacity perspective". *R&D Management*, 46(2), 383-399.
- Mina, A., Bascavusoglu-Moreau, E., & Hughes, A. (2014). "Open service innovation and the firm's search for external knowledge." *Research Policy*, 43(5), 853-866.
- Miozzo, M., Desyllas, P., Lee, H. F., & Miles, I. (2016). "Innovation collaboration and appropriability by knowledge-intensive business services firms." *Research Policy*, 45(7), 1337-1351.
- Monteiro, F., M. Mol, & J. Birkinshaw. (2017) "Ready to be open? Explaining the firm level barriers to benefiting from openness to external knowledge." *Long Range Planning* 50(2): 282-295.
- Morgan, T., Obal, M., & Anokhin, S. (2018). "Customer participation and new product performance: Towards the understanding of the mechanisms and key contingencies." *Research Policy*, 47(2), 498-510.
- Mortara, L., & Minshall, T. (2011). "How do large multinational companies implement open innovation?." *Technovation*, 31(10-11), 586-597.
- Müller-Seitz, G. (2012). "Absorptive and desorptive capacity-related practices at the network level—the case of SEMATECH". *R&D Management*, 42(1), 90-99.
- Ollila, S., & Yström, A. (2017). "An investigation into the roles of open innovation collaboration managers." *R&D Management*, 47(2), 236-252.
- Ollila, S., & Elmquist, M. (2011). "Managing open innovation: Exploring challenges at the interfaces of an open innovation arena." *Creativity and Innovation Management*, 20(4), 273-283.
- Olsen, A. Ø., Sofka, W., & Grimpe, C. (2017). "Solving environmental problems: Knowledge and coordination in collaborative search." *Long Range Planning*, 50(6), 726-740.
- Patterson, W., & Ambrosini, V. (2015). "Configuring absorptive capacity as a key process for research intensive firms." *Technovation*, 36, 77-89.
- Perkmann, M., & Schildt, H. (2015). "Open data partnerships between firms and universities: The role of boundary organizations". *Research Policy*, 44(5), 1133-1143.
- Pullen, A. J., de Weerd-Nederhof, P. C., Groen, A. J., & Fisscher, O. A. (2012). "Open innovation in practice: goal complementarity and closed NPD networks to explain differences in innovation performance for SMEs in the medical devices sector." *Journal of Product Innovation Management*, 29(6), 917-934.
- Radnejad, A. B., Vredenburg, H., & Woiceshyn, J. (2017). "Meta-organizing for open innovation under environmental and social pressures in the oil industry". *Technovation*, 66, 14-27.
- Rohrbeck, R. (2010) "Harnessing a network of experts for competitive advantage: technology scouting in the ICT industry." *R&D Management* 40(2), 169-180.

- Rohrbeck, R., Hölzle, K., & Gemünden, H. G. (2009). „Opening up for competitive advantage—How Deutsche Telekom creates an open innovation ecosystem”. *R&D Management*, 39(4), 420-430.
- Roper, S., P. Vahter, & J. H. Love. (2013) "Externalities of openness in innovation." *Research Policy* 42(9): 1544-1554.
- Salter, A., Ter Wal, A. L., Criscuolo, P., & Alexy, O. (2015). “Open for ideation: Individual-level openness and idea generation in R&D”. *Journal of Product Innovation Management*, 32(4), 488-504.
- Sarkar, S., & Costa, A. I. (2008). "Dynamics of open innovation in the food industry." *Trends in Food Science & Technology*, 19(11), 574-580.
- Schiele, H. (2010). "Early supplier integration: the dual role of purchasing in new product development." *R&D Management*, 40(2), 138-153.
- Schoenmakers, W., & Duysters, G. (2010). "The technological origins of radical inventions." *Research Policy*, 39(8), 1051-1059.
- Shibata, T. (2012). "Unveiling the successful process of technological transition: a case study of Matsushita Electric." *R&D Management*, 42(4), 358-376.
- Sieg, J. H., Wallin, M. W., & Von Krogh, G. (2010). "Managerial challenges in open innovation: a study of innovation intermediation in the chemical industry." *R&D Management*, 40(3), 281-291.
- Sikimic, U., Chiesa, V., Frattini, F., & Scalera, V. G. (2016). “Investigating the influence of technology inflows on technology outflows in open innovation processes: a longitudinal analysis”. *Journal of Product Innovation Management*, 33(6), 652-669.
- Simeth, M., & Raffo, J. D. (2013). "What makes companies pursue an open science strategy?." *Research Policy*, 42(9), 1531-1543.
- Sørensen, F., Mattsson, J., & Sundbo, J. (2010). "Experimental methods in innovation research." *Research Policy*, 39(3), 313-322.
- Spithoven, A., B. Clarysse, & M. Knockaert. (2010) "Building absorptive capacity to organise inbound open innovation in traditional industries." *Technovation*, 30(2): 130-141.
- Stephan, U., P. Andries, & A. Daou. (2019) "Goal multiplicity and innovation: how social and economic goals affect open innovation and innovation performance." *Journal of Product Innovation Management* 36(6): 721-743.
- Symeonidou, N., Bruneel, J., & Autio, E. (2017). "Commercialization strategy and internationalization outcomes in technology-based new ventures". *Journal of Business Venturing*, 32(3), 302-317.
- Tan, K. H., & Zhan, Y. (2017). "Improving new product development using big data: a case study of an electronics company." *R&D Management*, 47(4), 570-582.
- Ter Wal, A. L., Criscuolo, P., & Salter, A. (2017). “Making a marriage of materials: The role of gatekeepers and shepherds in the absorption of external knowledge and innovation performance”. *Research Policy*, 46(5), 1039-1054.
- Tether, B. S., & Tajar, A. (2008) "Beyond industry–university links: Sourcing knowledge for innovation from consultants, private research organisations and the public science-base." *Research Policy* 37(6-7): 1079-1095. Corrections: *Research Policy* 37(9): 1653-1654.
- Thanasopon, B., Papadopoulos, T., & Vidgen, R. (2016). "The role of openness in the fuzzy front-end of service innovation". *Technovation*, 47, 32-46.
- Tsinopoulos, C., Yan, J., & Sousa, C. M. (2019). "Abandoning innovation activities and performance: The moderating role of openness." *Research Policy*, 48(6), 1399-1411.

- Valentim, L., Lisboa, J. V., & Franco, M. (2016). "Knowledge management practices and absorptive capacity in small and medium-sized enterprises: is there really a linkage?." *R&D Management*, 46(4), 711-725.
- Van de Vrande, V., De Jong, J. P., Vanhaverbeke, W., & De Rochemont, M. (2009). "Open innovation in SMEs: Trends, motives and management challenges." *Technovation*, 29(6-7), 423-437.
- Veer, T., Lorenz, A., & Blind, K. (2016). "How open is too open? The mitigating role of appropriation mechanisms in R&D cooperation settings". *R&D Management*, 46(S3), 1113-1128.
- Wadhwa, A., I. M. Bodas Freitas, & M. B. Sarkar. (2017) "The paradox of openness and value protection strategies: effect of extramural R&D on innovative performance." *Organization Science* 28(5): 873-893.
- Wadhwa, A., Phelps, C., & Kotha, S. (2016). "Corporate venture capital portfolios and firm innovation". *Journal of Business Venturing*, 31(1), 95-112.
- Waguespack, D. M., & Fleming, L. (2009). "Scanning the commons? Evidence on the benefits to startups participating in open standards development". *Management Science*, 55(2), 210-223.
- Wang, Y., & J. Li-Ying. (2014) "When does inward technology licensing facilitate firms' NPD performance? A contingency perspective." *Technovation* 34(1): 44-53.
- West, J. (2014). "Challenges of Funding Open Innovation Platforms: Lessons from Symbian Ltd." In: Chesbrough, H., Vanhaverbeke, W., & West, J. (Eds.). *New Frontiers in Open Innovation*, pp. 71-93. Oxford: Oxford University Press.
- Whelan, E., Teigland, R., Donnellan, B., & Golden, W. (2010). "How internet technologies impact information flows in R&D: Reconsidering the technological gatekeeper". *R&D Management*, 40(4), 400-413.
- Wincent, J., S. Anokhin, & H. Boter. (2009) "Network board continuity and effectiveness of open innovation in Swedish strategic small-firm networks." *R&D Management* 39(1): 55-67.
- Xing, J. L., & N. Sharif. (2020) "From creative destruction to creative appropriation: A comprehensive framework." *Research Policy* 49(7): 104060.
- Young, B., N. Hewitt-Dundas, & S. Roper. (2008) "Intellectual Property management in publicly funded R&D centres—A comparison of university-based and company-based research centres." *Technovation* 28(8): 473-484.
- Zeng, J., & Glaister, K. W. (2018). "Value creation from big data: Looking inside the black box." *Strategic Organization*, 16(2), 105-140.
- Zhu, X., Xiao, Z., Dong, M. C., & Gu, J. (2019). "The fit between firms' open innovation and business model for new product development speed: A contingent perspective". *Technovation*, 86, 75-85.
- Zobel, A.K. (2017) "Benefiting from open innovation: A multidimensional model of absorptive capacity." *Journal of Product Innovation Management*, 34(3): 269-288.
- Zobel, A. K., Balsmeier, B., & Chesbrough, H. (2016). "Does patenting help or hinder open innovation? Evidence from new entrants in the solar industry". *Industrial and Corporate Change*, 25(2), 307-331.