

Supplementary Materials

Revisiting the gap between academia and practice: insights from the green logistics phenomenon

Amer Jazairy, Timo Pohjosenperä, Lorenzo B. Pratavia, Jouni Juntunen

Method details

Conventional wisdom proclaims that principles for green logistics have been formalized by academics (Carter and Rogers, 2008) and implemented in practice (Huge-Brodin et al., 2020). We put this relationship to the test by exploring how both academia and practice respond to the call for green logistics amid escalating climate crises. To set the timespan for this investigation, we identified key global events and sustainability initiatives that could have driven interest for both streams to engage in green logistics endeavors (Table A). Accordingly, our analysis focused on various logistics initiatives aimed at reducing environmental externalities in alignment with those initiatives, known as “green logistics practices” (GLPs) (Jazairy and von Haartman, 2021). Here, logistics service providers (LSPs) are often seen as key to GLPs’ development (Colicchia et al., 2013; Perotti et al., 2012), while logistics buyers (i.e., shippers) tend to substantially influence LSPs’ decisions towards that end (Sallnäs, 2016; Wolf and Seuring, 2010). This stance prompted us to centralize LSPs in our study while also considering the role of shippers.

Table A. Key events driving the change.

Year	Event
1957	International Geophysical Year, sparking advances in atmospheric CO ₂ measurement by Charles Keeling
1972	The UN’s first Conference on the Human Environment is convened in Stockholm
1980	The World Conservation Strategy is published
1987	The Brundtland Report is released; The Montreal Protocol is signed
1988	The Intergovernmental Panel on Climate Change (IPCC) is established
1992	The Earth Summit is held in Rio de Janeiro, resulting in the UN Framework Convention on Climate Change (UNFCCC)
1995	The first Conference of the Parties (COP1) is held in Berlin
1996	The ISO 14001 standard is introduced
1997	The Kyoto Protocol is signed
2000	The UN’s Millennium Development Goals are created
2001	The Transport White Paper is introduced by the European Commission
2005	The Kyoto Protocol came into force
2006	“An Inconvenient Truth” is released, elevating public awareness on climate change
2008	*Global financial crisis- growing energy demand in China, India, and elsewhere sends energy prices soaring; financial institutions falter over the collapse of mortgage lending in the US; markets tumble, sending the world into recession
2009	The Copenhagen Accord is agreed upon
2012	Rio 20 years later; The EU Energy Efficiency Directive is introduced
2015	The 2030 Agenda for Sustainable Development is adopted, marking the adoption of UN’s 17 Sustainable Development Goals (SDGs); The Paris Climate Agreement is signed; The EU Circular Economy Package is published
2016	The First Global Sustainable Transport Conference is held in Ashgabat
2020	The European Green Deal is approved; *Covid 19 Pandemic- The surge in e-commerce and delivery services during the pandemic emphasized the need for more sustainable and environmentally friendly supply chain practices
2021	The Glasgow Climate Pact is formed at COP26 in Glasgow
2023	COP28 in Dubai, marking global agreement to transition away from fossil fuels

**Events beyond human control that impacted sustainable development efforts*

To achieve a balanced and comprehensive view of both academic and practical contributions, we merged a systematic literature review (SLR) on the development of GLPs amid logistics antecedents with a content analysis of annual reports from the four major global LSPs: DHL, DB Schenker¹, UPS, and FedEx. While the SLR covered both LSPs and shippers, only LSPs were considered for practitioners' reports since (1) LSPs' reports often reflect shippers' involvement (Piecyk and Björklund, 2015), and (2) many shippers do not explicitly report their green logistics purchasing initiatives (Jazairy and von Haartman, 2020). Figure A illustrates our research process, showing the selection and analysis of academic articles on the left and the content analysis of LSPs' reports on the right.

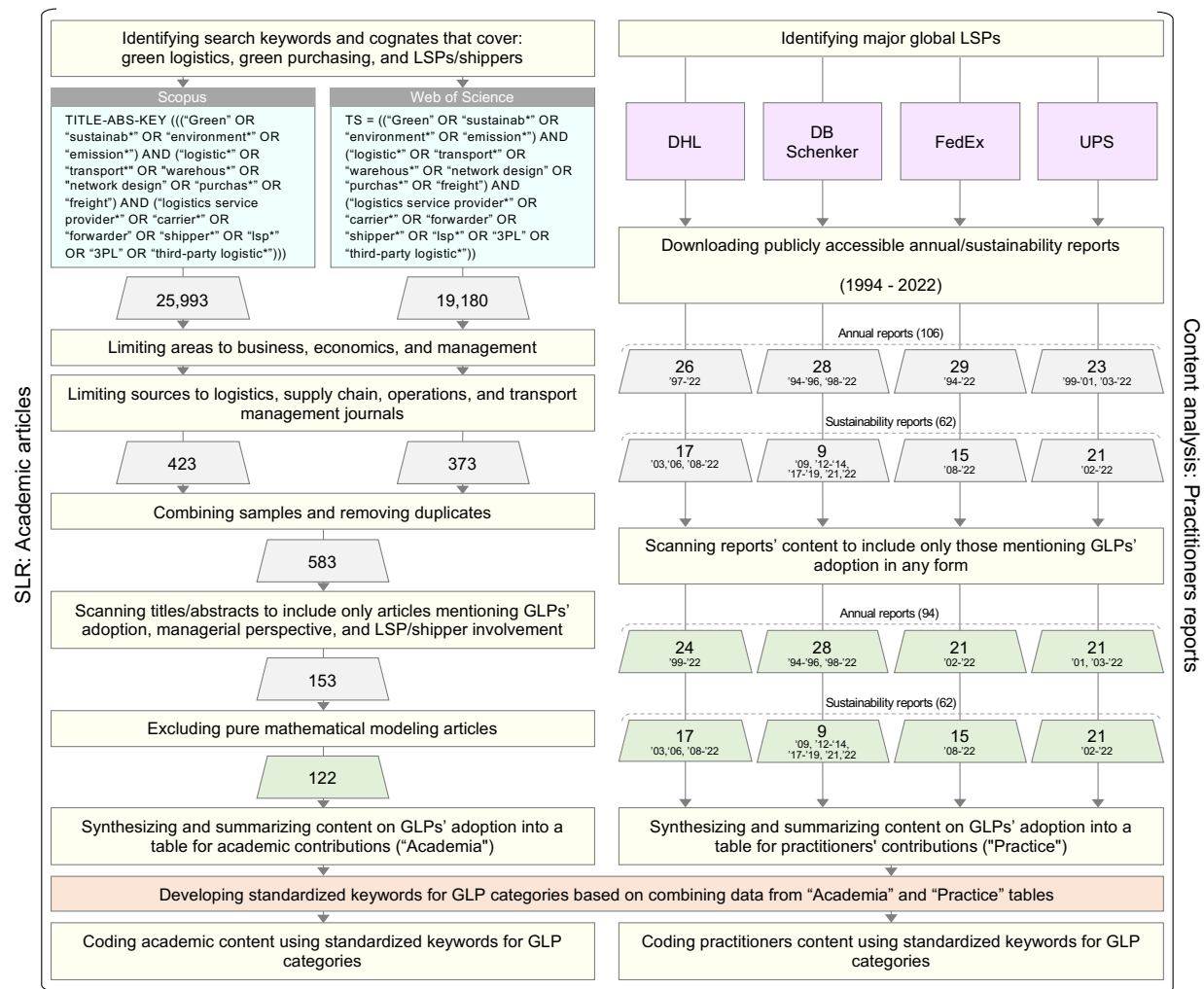


Figure A. Research steps.

Our SLR was guided by Tranfield et al. (2003). Specific keywords related to green logistics, purchasing, and LSPs/shippers were inserted into Scopus and Web of Science, considering only peer-reviewed publications. To represent the logistics and supply chain management (L&SCM) field, we narrowed our (1) *scope* to business, economics, and management areas, and (2) *sources* to logistics, supply chain, operations, and transport management journals. This resulted in omitting thousands of publications in both databases (Figure A), indicating that the majority of green logistics research pertains to non-managerial fields such as environmental engineering and transport science. After merging results from both databases, two researchers reviewed 583 titles and abstracts independently to identify the studies focusing on GLPs'

¹Although Deutsche Bahn (DB) acquired Schenker in 2002, we refer to both as "DB Schenker" for simplicity.

development with managerial relevance. These included conceptual papers, reviews, and empirical studies, with emphasis on the latter to reflect knowledge creation/transfer from/to practitioners (Sandberg and Tsoukas, 2011). As such, we excluded purely mathematical modeling studies, yielding a final sample of 122 articles. After reading the full texts, we identified the mentioned GLPs and created a keyword list to describe their evolution over time. This led to a consolidated table summarizing GLPs' evolution within L&SCM research.

For the content analysis of partitioners' reports, we targeted both annual and sustainability-focused reports published by the four global LSPs, including: Corporate Social Sustainability Reports; Environmental, Social, and Governance Reports; Global Citizenship Reports; etc. Through their objective financial data and subjective operational narratives, these reports aimed at enhancing shareholder perception while reflecting industry trends—providing a suitable context for our analysis. We first downloaded publicly available reports from the Internet, followed by directly contacting the companies whose annual reports were missing. The total number of accessed and analyzed reports equals 156 (see details in Figure A). To trace the historical development of GLPs over time, we examined the accessed reports either manually or through search functions using academically guided keywords, which enabled identifying initial mentions and subsequent references of GLPs in the reports. The content analysis involved entering all GLP-related data into a separate sheet of the above-mentioned table.

Recognizing the inconsistency in GLP terminology across academia and practice (Prataviera et al., 2023), we created standardized GLP categories through merging academic and practical content—yielding 11 overarching categories: collaboration, energy efficiency, green behavior, green packaging, green reporting, green vehicles, logistics management, renewable energy sources, transport management, waste and recycling, and warehouse management. Then, we coded academic and practitioners' contents using these keywords to facilitate comparison between the two streams, followed by comparing both against global events (Table A).

References

- Carter, C.R., and Rogers, D.S. (2008). A framework of sustainable supply chain management: moving toward new theory. *International Journal of Physical Distribution & Logistics Management*, 38(5), 360-387.
- Colicchia, C., Marchet, G., Melacini, M., and Perotti, S. (2013). Building environmental sustainability: empirical evidence from Logistics Service Providers. *Journal of Cleaner Production*, 59, 197-209.
- Huge-Brodin, M., Sweeney, E., and Evangelista, P. (2020). Environmental alignment between logistics service providers and shippers—a supply chain perspective. *The International Journal of Logistics Management*, 31(3), 575-605.
- Jazairy, A., and von Haartman, R. (2020). Analysing the institutional pressures on shippers and logistics service providers to implement green supply chain management practices. *International Journal of Logistics Research and Applications*, 23(1), 44-84.
- Jazairy, A., and von Haartman, R. (2021). Measuring the gaps between shippers and logistics service providers on green logistics throughout the logistics purchasing process. *International Journal of Physical Distribution & Logistics Management*, 51(1), 25-47.
- Piecyk, M.I., and Björklund, M. (2015). Logistics service providers and corporate social responsibility: sustainability reporting in the logistics industry. *International Journal of Physical Distribution & Logistics Management*, 45(5), 459-485.
- Prataviera, L.B., Creazza, A., and Perotti, S. (2023). A call to action: a stakeholder analysis of green logistics practices. *The International Journal of Logistics Management*, 35(3), 979-1008.
- Perotti, S., Zorzini, M., Cagno, E., and Micheli, G.J. (2012). Green supply chain practices and company performance: the case of 3PLs in Italy. *International Journal of Physical Distribution & Logistics Management*, 42(7), 640-672.
- Sallnäs, U. (2016). Coordination to manage dependencies between logistics service providers and shippers: An environmental perspective. *International Journal of Physical Distribution & Logistics Management*, 46(3), 316-340.
- Tranfield, D., Denyer, D., and Smart, P. (2003). Towards a methodology for developing evidence-informed management knowledge by means of systematic review. *British Journal of Management*, 14(3), 207-222.
- Wolf, C., and Seuring, S. (2010). Environmental impacts as buying criteria for third party logistical services. *International Journal of Physical Distribution & Logistics Management*, 40(1/2), 84-102.

Articles formally included in the SLR ($N = 122$)

Author(s)	Year	Title	Journal
Abbasi, M; Nilsson, F	2016	Developing environmentally sustainable logistics Exploring themes and challenges from a logistics service providers' perspective	Transportation Research Part D: Transport and Environment
Amaya, J; Arellana, J; Delgado- Lindeman, M	2020	Stakeholders perceptions to sustainable urban freight policies in emerging markets	Transportation Research Part A: Policy and Practice
Baglio M.; Perotti S.; Dallari F.; Creazza A.	2022	How can logistics real estate support third-party logistics providers?	International Journal of Logistics Research and Applications
Bajec P.; Tuljak-Suban D.; Krmac E.	2015	Do ISO standards favour logistics provider efficiency, competitiveness and sustainability? A Slovenian perspective	International Journal of Logistics Management
Bask A.; Rajahonka M.	2017	The role of environmental sustainability in the freight transport mode choice: A systematic literature review with focus on the EU	International Journal of Physical Distribution and Logistics Management
Bask A.; Rajahonka M.; Laari S.; Solakivi T.; Töyli J.; Ojala L.	2018	Environmental sustainability in shipper-LSP relationships	Journal of Cleaner Production
Bergqvist R.; Egels-Zandén N.	2012	Green port dues - The case of hinterland transport	Research in Transportation Business and Management
Bjerkkan K.Y.; Sund A.B.; Nordtømme M.E.	2014	Stakeholder responses to measures green and efficient urban freight	Research in Transportation Business and Management
Björklund M.	2011	Influence from the business environment on environmental purchasing - Drivers and hinders of purchasing green transportation services	Journal of Purchasing and Supply Management
Bloemhof J.M.; van der Vorst J.G.A.J.; Bastl M.; Allaoui H.	2015	Sustainability assessment of food chain logistics	International Journal of Logistics Research and Applications
Centobelli P.; Cerchione R.; Esposito E.	2017	Developing the WH2 framework for environmental sustainability in logistics service providers: A taxonomy of green initiatives	Journal of Cleaner Production
Centobelli P.; Cerchione R.; Esposito E.	2020	Pursuing supply chain sustainable development goals through the adoption of green practices and enabling technologies: A cross-country analysis of LSPs	Technological Forecasting and Social Change
Chabot T.; Bouchard F.; Legault- Michaud A.; Renaud J.; Coelho L.C.	2018	Service level, cost and environmental optimization of collaborative transportation	Transportation Research Part E: Logistics and Transportation Review
Chu Z.; Wang L.; Lai F.	2019	Customer pressure and green innovations at third party logistics providers in China: The moderation effect of organizational culture	International Journal of Logistics Management
Colicchia C.; Marchet G.; Melacini M.; Perotti S.	2013	Building environmental sustainability: Empirical evidence from Logistics Service Providers	Journal of Cleaner Production
Craig, AJ; Blanco, EE; Sheffi, Y	2013	Estimating the CO2 intensity of intermodal freight transportation	Transportation Research Part D: Transport and Environment
Creazza A.; Colicchia C.; Evangelista P.	2023	Leveraging shippers-logistics providers relationships for better sustainability in logistics: the perspective of SMEs	International Journal of Logistics Management
Davis-Sramek B.; Robinson J.L.; Darby J.L.; Thomas R.W.	2020	Exploring the differential roles of environmental and social sustainability in carrier selection decisions	International Journal of Production Economics
Davis-Sramek B.; Thomas R.W.; Fugate B.S.	2018	Integrating behavioural Decision Theory and Sustainable Supply Chain Management: Prioritizing Economic, Environmental, and Social Dimensions in Carrier Selection	Journal of Business Logistics
Dekker R.; Van Asperen E.; Ochtman G.; Kusters W.	2009	Floating stocks in FMCG supply chains: Using intermodal transport to facilitate advance deployment	International Journal of Physical Distribution and Logistics Management
Dong, CW; Boute, R; McKinnon, A; Verelst, M	2018	Investigating synchromodality from a supply chain perspective	Transportation Research Part D: Transport and Environment
Edwards J.B.; McKinnon A.C.; Cullinane S.L.	2010	Comparative analysis of the carbon footprints of conventional and online retailing: A "last mile" perspective	International Journal of Physical Distribution and Logistics Management
El Baz J.; Laguir I.	2017	Third-party logistics providers (TPLs) and environmental sustainability practices in developing countries: The case of Morocco	International Journal of Operations and Production Management
Ellram L.M.; Golcic S.L.	2016	The role of legitimacy in pursuing environmentally responsible transportation practices	Journal of Cleaner Production

Ellram L.M.; Tate W.L.; Saunders L.W.	2022	A legitimacy theory perspective on Scope 3 freight transportation emissions	Journal of Business Logistics
Ellram, LM; Golcic, SL	2015	Adopting Environmental Transportation Practices	Transportation Journal
Elzarka S.	2020	A study on engaging employees in adopting green logistics practices: The case of logistics service providers in Egypt	International Journal of Logistics Systems and Management
Eng-Larsson F.; Kohn C.	2012	Modal shift for greener logistics - the shipper's perspective	International Journal of Physical Distribution and Logistics Management
Eng-Larsson F.; Norrman A.	2014	Modal shift for greener logistics – exploring the role of the contract	International Journal of Physical Distribution and Logistics Management
Evangelista P.	2014	Environmental sustainability practices in the transport and logistics service industry: AN exploratory case study investigation	Research in Transportation Business and Management
Evangelista P.; Santoro L.; Hallikas J.; Kähkönen A.-K.; Lintukangas K.	2019	Greening logistics outsourcing: Reasons, actions and influencing factors	International Journal of Logistics Systems and Management
Fernie J.; Pfab F.; Marchant C.	2000	Retail Grocery Logistics in the UK	International Journal of Logistics Management
Forslund H.; Björklund M.; Svensson Ülgen V.	2022	Challenges in extending sustainability across a transport supply chain	Supply Chain Management: An International Journal
Foulds L.R.; Luo Y.	2006	Value-added services for sustainable third-party warehousing	International Journal of Logistics Systems and Management
Froio P.J.; Bezerra B.S.	2021	Environmental sustainability initiatives adopted by logistics service providers in a developing country – an overview in the Brazilian context	Journal of Cleaner Production
Goh S.H.	2019	Barriers to low-carbon warehousing and the link to carbon abatement: A case from emerging Asia	International Journal of Physical Distribution and Logistics Management
Goswami M.; De A.; Habibi M.K.K.; Daultani Y.	2020	Examining freight performance of third-party logistics providers within the automotive industry in India: an environmental sustainability perspective	International Journal of Production Research
Grote M.; Cherrett T.; Whittle G.; Tuck N.	2023	Environmental benefits from shared-fleet logistics: lessons from a public-private sector collaboration	International Journal of Logistics Research and Applications
Halldórsson Á.; Wehner J.	2020	Last-mile logistics fulfilment: A framework for energy efficiency	Research in Transportation Business and Management
Huge-Brodin M.; Sweeney E.; Evangelista P.	2020	Environmental alignment between logistics service providers and shippers – a supply chain perspective	International Journal of Logistics Management
Islam S.; Shi Y.; Ahmed J.U.; Uddin M.J.	2019	Minimization of empty container truck trips: insights into truck-sharing constraints	International Journal of Logistics Management
Islam S.; Uddin M.J.; Shi Y.; Sharif T.; Ahmed J.U.	2020	Exploring shippers' motivations to adopt collaborative truck-sharing initiatives	International Journal of Physical Distribution and Logistics Management
Jayarathna C.P.; Agdas D.; Dawes L.	2023	Exploring sustainable logistics practices toward a circular economy: A value creation perspective	Business Strategy and the Environment
Jazairy A.; Pohjosenperä T.; Sassali J.; Juga J.; von Haartman R.	2023	Driving the talk: examining professional truck drivers' motivations to engage in eco-driving	International Journal of Physical Distribution and Logistics Management
Jazairy A.; von Haartman R.	2020	Analysing the institutional pressures on shippers and logistics service providers to implement green supply chain management practices	International Journal of Logistics Research and Applications
Jazairy A.; von Haartman R.	2021	Measuring the gaps between shippers and logistics service providers on green logistics throughout the logistics purchasing process	International Journal of Physical Distribution and Logistics Management
Jazairy A.; von Haartman R.; Björklund M.	2021	Unravelling collaboration mechanisms for green logistics: the perspectives of shippers and logistics service providers	International Journal of Physical Distribution and Logistics Management
Jazairy, A	2020	Aligning the purchase of green logistics practices between shippers and logistics service providers	Transportation Research Part D: Transport and Environment
Jeffers P.I.	2010	Embracing sustainability: Information technology and the strategic leveraging of operations in third-party logistics	International Journal of Operations and Production Management
Jovanovic, N; Zolfagharinia, H; Peszynski, K	2020	To Green or Not to Green Trucking? Exploring the Canadian Case	Transportation Research Part D: Transport and Environment
Kengpol A.; Tuammee S.; Tuominen M.	2014	The development of a framework for route selection in multimodal transportation	International Journal of Logistics Management
Kudla N.L.; Klaas-Wissing T.	2012	Sustainability in shipper-logistics service provider relationships: A tentative taxonomy based on agency theory and stimulus-response analysis	Journal of Purchasing and Supply Management

Laari S.; Töyli J.; Ojala L.	2018	The effect of a competitive strategy and green supply chain management on the financial and environmental performance of logistics service providers	Business Strategy and the Environment
Laguir I.; Stekelorum R.; El Baz J.	2021	Going green? Investigating the relationships between proactive environmental strategy, GSCM practices and performances of third-party logistics providers (TPLs)	Production Planning and Control
Laguir I.; Stekelorum R.; El baz J.	2021	Proactive environmental strategy and performances of third party logistics providers (TPLs): Investigating the role of eco-control systems	International Journal of Production Economics
Lai K.-H.; Lun V.Y.H.; Wong C.W.Y.; Cheng T.C.E.	2011	Green shipping practices in the shipping industry: Conceptualization, adoption, and implications	Resources, Conservation and Recycling
Lam J.S.L.; Dai J.	2015	Environmental sustainability of logistics service provider: An ANP-QFD approach	International Journal of Logistics Management
Lammgård C.	2012	Intermodal train services: A business challenge and a measure for decarbonisation for logistics service providers	Research in Transportation Business and Management
Lammgård C.; Andersson D.	2014	Environmental considerations and trade-offs in purchasing of transportation services	Research in Transportation Business and Management
Large R.O.; Kramer N.; Hartmann R.K.	2013	Procurement of logistics services and sustainable development in Europe: Fields of activity and empirical results	Journal of Purchasing and Supply Management
Lieb K.J.; Lieb R.C.	2010	Environmental sustainability in the third-party logistics (3PL); industry	International Journal of Physical Distribution and Logistics Management
Lieb, RC; Lieb, KJ	2015	The North American Third-party Logistics Industry in 2013: The Provider CEO Perspective	Transportation Journal
Liimatainen H.; Hovi I.B.; Arvidsson N.; Nykanen L.	2015	Driving forces of road freight CO2 in 2030	International Journal of Physical Distribution and Logistics Management
Liljestrand K.; Christopher M.; Andersson D.	2015	Using a transport portfolio framework to reduce carbon footprint	International Journal of Logistics Management
Liu, XH; Qian, C; Wang, SH	2020	When do 3PLs initiate low-carbon supply chain integration?	International Journal of Operations and Production Management
Lun, YHV; Lai, KH; Wong, CWY; Cheng, TCE	2015	Greening propensity and performance implications for logistics service providers	Transportation Research Part E: Logistics and Transport Review
Maas S.; Schuster T.; Hartmann E.	2014	Pollution Prevention and Service Stewardship Strategies in the Third-Party Logistics Industry: Effects on Firm Differentiation and the Moderating Role of Environmental Communication	Business Strategy and the Environment
Martinsen U.; Björklund M.	2012	Matches and gaps in the green logistics market	International Journal of Physical Distribution and Logistics Management
Meade L.; Sarkis J.	2002	A conceptual model for selecting and evaluating third-party reverse logistics providers	Supply Chain Management: An International Journal
Meixell M.J.; Norbis M.	2008	A review of the transportation mode choice and carrier selection literature	International Journal of Logistics Management
Miklautsch P.; Woschank M.	2022	A framework of measures to mitigate greenhouse gas emissions in freight transport: Systematic literature review from a Manufacturer's perspective	Journal of Cleaner Production
Moncef B.; Monnet Dupuy M.	2021	Last-mile logistics in the sharing economy: sustainability paradoxes	International Journal of Physical Distribution and Logistics Management
Multaharju S.; Lintukangas K.; Kähkönen A.-K.; Hallikas J.	2017	Sustainability-related risk management in buying logistics services: An exploratory cross-case analysis	International Journal of Logistics Management
Murphy P.R.; Poist R.F.; Braunschweig, C.D.	1995	Role and relevance of logistics to corporate environmentalism	International Journal of Physical Distribution and Logistics Management
Nguyen S.; Shu-Ling Chen P.; Du Y.	2022	Risk assessment of maritime container shipping blockchain-integrated systems: An analysis of multi-event scenarios	Transportation Research Part E: Logistics and Transportation Review
Nilsson F.R.; Sternberg H.; Klaas-Wissing T.	2017	Who controls transport emissions and who cares? Investigating the monitoring of environmental sustainability from a logistics service provider's perspective	International Journal of Logistics Management
Ozbekler T.M.; Ozturkoglu Y.	2020	Analysing the importance of sustainability-oriented service quality in competition environment	Business Strategy and the Environment

Palmieri A.; Pomponi F.; Russo A.	2019	A triple-win scenario for horizontal collaboration in logistics: Determining enabling and key success factors	Business Strategy and the Environment
Pålsson H.; Johansson O.	2016	Reducing transportation emissions: Company intentions, barriers and discriminating factors	Benchmarking: An International Journal
Pan S.; Trentesaux D.; Ballot E.; Huang G.Q.	2019	Horizontal collaborative transport: survey of solutions and practical implementation issues	International Journal of Production Research
Paula I.C.; Campos E.A.R.; Pagani R.N.; Guarnieri P.; Kaviani M.A.	2020	Are collaboration and trust sources for innovation in the reverse logistics? Insights from a systematic literature review	Supply Chain Management: An International Journal
Perotti S.; Colicchia C.	2023	Greening warehouses through energy efficiency and environmental impact reduction: a conceptual framework based on a systematic literature review	International Journal of Logistics Management
Perotti S.; Micheli G.J.L.; Cagno E.	2015	Motivations and barriers to the adoption of green supply Chain practices among 3PLs	International Journal of Logistics Systems and Management
Perotti S.; Zorzini M.; Cagno E.; Micheli G.J.L.	2012	Green supply chain practices and company performance: The case of 3PLs in Italy	International Journal of Physical Distribution and Logistics Management
Philipp B.; Militaru D.	2011	Shippers' ecological buying behaviour towards logistics services in France	International Journal of Logistics Research and Applications
Piecyk M.I.; Björklund M.	2015	Logistics service providers and corporate social responsibility sustainability reporting in the logistics industry	International Journal of Physical Distribution and Logistics Management
Plessis, MJD; van Eeden, J; Goedhals-Gerber, L; Else, J	2023	Calculating Fuel Usage and Emissions for Refrigerated Road Transport Using Real-World Data	Transportation Research Part D: Transport and Environment
Prataviera L.B.; Creazza A.; Perotti S.	2023	A call to action: a stakeholder analysis of green logistics practices	International Journal of Logistics Management
Prataviera L.B.; Creazza A.; Perotti S.; Rodrigues V.S.	2023	How to align logistics environmental sustainability with corporate strategy? An Italian perspective	International Journal of Logistics Research and Applications
Rai, HB; Broekaert, C; Verlinde, S; Macharis, C	2021	Sharing is caring: How non-financial incentives drive sustainable e-commerce delivery	Transportation Research Part D: Transport and Environment
Ranjbari A.; Diehl C.; Dalla Chiara G.; Goodchild A.	2023	Do parcel lockers reduce delivery times? Evidence from the field	Transportation Research Part E: Logistics and Transportation Review
Rizet C.; Cruz C.; de Lapparent M.	2014	Co2 emissions of French shippers: The roles of delivery frequency and weight, mode choice, and distance	Research in Transportation Business and Management
Rodrigues, VS; Piecyk, M; Mason, R; Boenders, T	2015	The longer and heavier vehicle debate: A review of empirical evidence from Germany	Transportation Research Part D: Transport and Environment
Rogerson S.	2017	Influence of freight transport purchasing processes on logistical variables related to CO2 emissions: a case study in Sweden	International Journal of Logistics Research and Applications
Rogerson S.; Sallnäs U.	2017	Internal coordination to enable high load factor	International Journal of Logistics Management
Rogerson S.; Santén V.	2017	Shippers' opportunities to increase load factor: managing imbalances between required and available capacity	International Journal of Logistics Research and Applications
Rossi S.; Colicchia C.; Cozzolino A.; Christopher M.	2013	The logistics service providers in eco-efficiency innovation: An empirical study	Supply Chain Management: An International Journal
Rotaris L.; Tonelli S.; Capoani L.	2022	Combined transport: Cheaper and greener. A successful Italian case study	Research in Transportation Business and Management
Roy S.; Mohanty R.P.	2023	Green logistics operations and its impact on supply chain sustainability: An empirical study	Business Strategy and the Environment
Sallnäs U.	2016	Coordination to manage dependencies between logistics service providers and shippers: An environmental perspective	International Journal of Physical Distribution and Logistics Management
Sallnäs U.; Björklund M.	2020	Consumers' influence on the greening of distribution – exploring the communication between logistics service providers, e-tailers and consumers	International Journal of Retail and Distribution Management
Sallnäs U.; Björklund M.	2023	Green e-commerce distribution alternatives – a mission impossible for retailers?	International Journal of Logistics Management
Sallnäs U.; Rogerson S.; Santén V.	2022	Trusting the power: Facilitating a modal shift in relationships between shippers and logistics service providers	Research in Transportation Business and Management
Santén V.	2017	Towards more efficient logistics: Increasing load factor in a shipper's road transport	International Journal of Logistics Management

Shaharudin M.R.; Zailani S.; Ismail M.	2014	Third party logistics orchestrator role in reverse logistics and closed-loop supply chains	International Journal of Logistics Systems and Management
Singh S.K.; Roy S.	2022	Greening the grey: measuring adoption of green logistics in the Indian logistics sector	International Journal of Logistics Systems and Management
Sinnandavar, CM; Wong, WP; Soh, KL	2018	Dynamics of supply environment and information system: Integration, green economy and performance	Transportation Research Part D: Transport and Environment
Sternberg H.; Linan I.; Prockl G.; Norrman A.	2022	Tragedy of the facilitated commons: A multiple-case study of failure in systematic horizontal logistics collaboration	Journal of Supply Chain Management
Sureeyatanapas P.; Poophiukhok P.; Pathumnakul S.	2018	Green initiatives for logistics service providers: An investigation of antecedent factors and the contributions to corporate goals	Journal of Cleaner Production
Tacke J.; Rodrigues V.S.; Mason R.	2014	Examining CO2e reduction within the German logistics sector	International Journal of Logistics Management
Thomas R.W.; Fugate B.S.; Robinson J.L.; Tasçioğlu M.	2016	The impact of environmental and social sustainability practices on sourcing behaviour	International Journal of Physical Distribution and Logistics Management
Touratier-Muller N.; Ortas E.	2021	Factors driving shippers' compliance with a voluntary sustainable freight programme in France	Journal of Cleaner Production
Tran, TMT; Woo, SH; Yuen, KF	2021	The impacts of sustainable inter-firm collaboration on business performance of shipping companies	International Journal of Logistics Management
Tretvik T.; Nordtømme M.E.; Bjerkkan K.Y.; Kummeneje A.-M.	2014	Can low emission zones be managed more dynamically and effectively?	Research in Transportation Business and Management
Truschkin, E; Elbert, R	2013	Horizontal transshipment technologies as enablers of combined transport: Impact of transport policies on the modal split	Transportation Research Part A: Policy and Practice
Van den Berg R.; De Langen P.W.	2017	Environmental sustainability in container transport: the attitudes of shippers and forwarders	International Journal of Logistics Research and Applications
Vivaldini M.; Pires S.R.I.	2016	Sustainable logistical operations: The case of McDonald's biodiesel in Brazil	International Journal of Logistics Systems and Management
Wehner J.; Taghavi Nejad Deilami N.; Altuntas Vural C.; Halldórsson Á.	2021	Logistics service providers' energy efficiency initiatives for environmental sustainability	International Journal of Logistics Management
Wicaksono S.; Lin X.; Tavasszy L.A.	2022	Market potential of bicycle crowdshipping: A two-sided acceptance analysis	Research in Transportation Business and Management
Wolf C.; Seuring S.	2010	Environmental impacts as buying criteria for third party logistical services	International Journal of Physical Distribution and Logistics Management
Wu; Dunn	1995	Environmentally responsible logistics systems	International Journal of Physical Distribution and Logistics Management
Yuen, KF; Wang, XQ; Wong, YD; Zhou, QJ	2018	The effect of sustainable shipping practices on shippers' loyalty: The mediating role of perceived value, trust and transaction cost	Transportation Research Part E: Logistics and Transport Review