Supplementary File S4. PRISMA-S Checklist for Reporting Literature Searches

Section/topic	#	Checklist item	Location(s) Reported
INFORMATION SOURCES AND METHODS			
Database name	1	Name each individual database searched, stating the platform for each.	Supplementary File 2, Sections 1 and 3. The literature search was conducted in Web of Science (Clarivate), Scopus (Elsevier), and ProQuest ABI/INFORM on the ProQuest platform. Web of Science used the Topic field; Scopus used TITLE-ABS-KEY; and ProQuest ABI/INFORM used abstract, title, or summary fields depending on database availability.
Multi-database searching	2	If databases were searched simultaneously on a single platform, state the name of the platform, listing all of the databases searched.	Supplementary File 2, Sections 1 and 4. The databases were not searched simultaneously on a single platform. Searches were conducted across Web of Science, Scopus, and ProQuest ABI/INFORM, and results from the DT–SCR and SCR–performance evidence-pool searches were consolidated before duplicate removal and screening.
Study registries	3	List any study registries searched.	Not applicable. No study registries were searched because the review focused on peer-reviewed English-language empirical journal articles in business, management, operations, decision sciences, economics, social sciences, and related fields.
Online resources and browsing	4	Describe any online or print source purposefully searched or browsed (e.g., tables of contents, print conference proceedings, web sites), and how this was done.	Not applicable. No additional online or print sources, such as websites, tables of contents, conference proceedings, or organizational repositories, were purposefully searched or browsed as formal information sources.
Citation searching	5	Indicate whether cited references or citing references were examined, and describe any methods used for locating cited/citing references (e.g., browsing reference lists, using a citation index, setting up email alerts for references citing included studies).	Not conducted as a formal search source. Cited-reference or citing-reference searching was not used as a formal source-identification method. The review relied on database searches in Web of Science, Scopus, and ProQuest ABI/INFORM.
Contacts	6	Indicate whether additional studies or data were sought by contacting authors, experts, manufacturers, or others.	Not applicable. No additional studies or data were sought by contacting authors, experts, manufacturers, or other external parties.
Other methods	7	Describe any additional information sources or search methods used.	Not applicable. No additional information sources or search methods were used beyond the database searches reported in Supplementary File 2.
SEARCH STRATEGIES			

Full search strategies	8	Include the search strategies for each database and information source, copied and pasted exactly as run.	Supplementary File 2, Sections 3.1, 3.2, and 3.3. Full database-specific search strings are provided for Web of Science, Scopus, and ProQuest ABI/INFORM. The searches were organized around two evidence pools: the DT-SCR evidence pool and the SCR-performance evidence pool. Supplementary File 2, Section 12 reports the June 2026 search update.
Limits and restrictions	9	Specify that no limits were used, or describe any limits or restrictions applied to a search (e.g., date or time period, language, study design) and provide justification for their use.	Supplementary File 2, Sections 1, 3.1, 3.2, 3.3, and 5. Searches were limited to peer-reviewed English-language journal articles published from 2000 to June 2026. The searches used database-specific metadata fields: Web of Science Topic field; Scopus title, abstract, and keyword fields; and ProQuest ABI/INFORM abstract, title, or summary fields depending on database availability. Restrictions aligned the review with empirical journal-based evidence in management, operations, decision sciences, economics, social sciences, and related fields.
Search filters	10	Indicate whether published search filters were used (as originally designed or modified), and if so, cite the filter(s) used.	No published search filters were used. The search strategy was constructed from predefined keyword families for digital transformation, supply chain resilience, and firm performance, as reported in Supplementary File 2, Section 2.
Prior work	11	Indicate when search strategies from other literature reviews were adapted or reused for a substantive part or all of the search, citing the previous review(s).	No prior review search strategy was directly reused. The search strategy was developed for this review and organized around the review's two evidence pools. Prior reviews are not cited as sources of reused search strategies in Supplementary File 2.
Updates	12	Report the methods used to update the search(es) (e.g., rerunning searches, email alerts).	Supplementary File 2, Sections 1 and 12. The initial database search was conducted in May 2025. To incorporate recent developments in digital transformation, emerging digital technologies, and supply chain resilience research, the search was updated in June 2026. The update followed the same database sources, keyword logic, eligibility criteria, and screening procedures as the initial search and incorporated expanded digital transformation-related terms, including Industry 5.0, digital twins, and generative artificial intelligence.
Dates of searches	13	For each search strategy, provide the date when the last search occurred.	Supplementary File 2, Sections 1, 3.1, 3.2, 3.3, and 12. The final updated searches for Web of Science, Scopus, and ProQuest ABI/INFORM were conducted in June 2026.
PEER REVIEW			
Peer review	14	Describe any search peer review process.	Supplementary File 2, Section 12. The search strategy was not externally peer-reviewed using a formal search-review instrument. However, the search process was documented through database-specific search strings, explicit eligibility criteria, predefined coding rules, and a

			transparent screening procedure. These materials are provided in the supplementary files to facilitate reproducibility.
MANAGING RECORDS			
Total Records	15	Document the total number of records identified from each database and other information sources.	Supplementary File 2, Sections 1 and 4; Figure 2 in the main manuscript. The consolidated database search across Web of Science, Scopus, and ProQuest ABI/INFORM identified 4,479 records before deduplication. Because records were consolidated before duplicate removal, database-specific record counts were not retained separately in the final search log; accordingly, the consolidated pre-deduplication total is reported. After removing 2,292 duplicates, 2,187 records were screened by title and abstract, of which 1,764 were excluded. The remaining 423 full-text articles were assessed for eligibility, and 223 were excluded. The final sample included 200 unique studies, including 124 studies contributing to the DT-SCR evidence pool, 104 contributing to the SCR-performance evidence pool, and 28 contributing to both pools.
Deduplication	16	Describe the processes and any software used to deduplicate records from multiple database searches and other information sources.	Supplementary File 2, Section 4; Figure 2 in the main manuscript. Search results from the DT-SCR and SCR-performance searches across Web of Science, Scopus, and ProQuest ABI/INFORM were consolidated before duplicate removal. Duplicate records were identified and removed using EndNote and Excel, followed by manual verification based on bibliographic metadata, including title, author, publication year, journal, and DOI where available. A total of 2,292 duplicate records were removed before screening. The remaining 2,187 records were screened by title and abstract.

Note. This Supplementary File 4 PRISMA-S checklist should be read together with Supplementary File 2, which provides the full search strategy, screening criteria, and coding protocol. The review searched Web of Science, Scopus, and ProQuest ABI/INFORM for peer-reviewed English-language journal articles published from 2000 to June 2026. The initial search was conducted in May 2025 and updated in June 2026. Search results from the two evidence pools were consolidated before duplicate removal and screening.

PRISMA-S: An Extension to the PRISMA Statement for Reporting Literature Searches in Systematic Reviews
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