Table S1. PRISMA-S Checklist

Section/topic	#	Checklist item	Location(s) Reported
INFORMATION SOURCES AND METHODS			
Database name	1	Web of Science Core Collections	Article 3.2.2, lines 229-239
Multi-database searching	2	Not applicable	
Study registries	3	Not applicable	
Online resources and browsing	4	Not applicable	
Citation searching	5	Not applicable	
Contacts	6	Not applicable	
Other methods	7	Not applicable	
SEARCH STRATEGIES			
Full search strategies	8	(("Digital Leader*" OR "E-leader*" OR "Technology Leader*" OR "Cyber Leadership" OR "Virtual leader*" OR "Electronic leadership" OR "4.0 leadership" OR "Leadership 4.0" OR "Online leadership" OR "Remote leadership") OR (("Digital Transform*" OR "Digital Innovat*" OR "Digital Strateg*" OR "Digital Manage*" OR "Digital Capabilit*" OR "Digital Organizational Change" OR "Digital Economy" OR "Digital Governance" OR "Digital Era") AND "Leadership*") OR ("Leadership in the Digital Age" OR "Transformational Leadership in Digital Contexts" OR "leading online communities"))	Article 3.2.1, lines 218-227

Limits and restrictions	9	To ensure the credibility, quality, and analytical consistency of the retrieved data, the following exclusion criteria were applied, along with their specific justifications: (1) retraction of publications was excluded due to issues of scientific validity; (2) book chapters, conference abstracts, news item, letter and editorial materials were excluded as they lack complete citation data indexing in the WoS database, which would compromise the integrity of co-citation network analysis, a core method requirement for scientometric mapping [56]; (3) book reviews were excluded as they do not represent original research contributions; (4) only English-language publications were retained to ensure linguistic consistency and comparability in keyword extraction and semantic analysis [57]. Following these criteria, a total of 1189 papers were screened in the preliminary search process, as outlined below. 56. Farooq, R. Knowledge management and performance: a bibliometric analysis based on Scopus and WOS data (1988–2021). Journal of Knowledge Management 2022, 27, 1948-1991, doi:10.1108/JKM-06-2022-0443. 57. Ferguson, G.; Pérez-Llantada, C.; Plo, R. English as an international language of scientific publication: A study of attitudes. World Englishes 2011, 30, 41-59, doi:10.1111/j.1467-971X.2010.01656.x.	Article 3.2.3, lines 241-251
Search filters	10	Manual screening by three independent reviewers; discrepancies resolved through discussion.	
Prior work	11	Numerous review studies on digital leadership have emerged in recent years. For instance, Espina-Romero, Noroño Sánchez, Rojas-Cangahuala, Palacios Garay, Parra and Rio Corredoira [4] propose future directions but fail to construct a systematic research framework; Karakose, Kocabas, Yirci, Papadakis, Ozdemir and Demirkol [24] focus on concept and evolution analysis, while Tigre, Curado and Henriques [23] and Banks et al. [41] primarily discuss the similarities and differences between digital leadership and traditional leadership. 4. Espina-Romero, L.; Noroño Sánchez, J.G.; Rojas-Cangahuala, G.; Palacios Garay, J.; Parra, D.R.; Rio Corredoira, J. Digital leadership in an ever-changing world: A bibliometric analysis of trends and challenges. Sustainability 2023, 15, 13129. 23. Tigre, F.B.; Curado, C.; Henriques, P.L. Digital leadership: A bibliometric analysis. Journal of Leadership & Organizational Studies 2023, 30, 40-70, doi:10.1177/15480518221123132. 24. Karakose, T.; Kocabas, I.; Yirci, R.; Papadakis, S.; Ozdemir, T.Y.; Demirkol, M. The development and evolution of digital leadership: A bibliometric mapping approach-based study. Sustainability 2022, 14, 16171, doi:doi.org/10.3390/su142316171.	Article 2.2, line 161-168

		41. Banks, G.C.; Dionne, S.D.; Mast, M.S.; Sayama, H. Leadership in the digital era: A review of who, what, when, where, and why. The Leadership Quarterly 2022, 33, 101634.	
Updates	12	Manually reviewed the full text of 296 articles selected in the previous review phase and updated search conducted in January 2025 to include studies published through December 2024.	
Dates of searches	13	Published up to 2024	
PEER REVIEW			
Peer review	14	Not applicable	
MANAGING RECORDS			
Total Records	15	A total of 960 papers were ultimately retained for analysis.	
Deduplication	16	All records obtained from a single database (Web of Science); no duplicates detected, thus no deduplication required.	

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