

Appendix A Checklist of the PRISMA statement

Table 7 Included items of the PRISMA checklist [adapted from Moher et al. (2009)]

Topic	Item No.	Checklist item	Page
Protocol	5	Review, i.e., detailed search protocol in B	39
Eligibility criteria	6	Eligibility process, criteria, and time span	11, 12
Information sources	7	Considered databases and date last searched	8
Search	8	Search strategies for WoS, Scopus, and Google Scholar	8, 9, and 10
Study selection	9, 17	Process for the paper selection (Figure 6)	18
Summary of evidence	24	Presentation and discussion of the results	12–25
Limitations	25	Discussion of the study limitations	26
Conclusions	26	Interpretation of the results and implications for further studies	26–27

Appendix B Review Protocol

Database	Search syntax/filters/restrictions	<i>N</i>
Web of Science	1. Filter by Indexes: Science Citation Index Expanded (SCI-EXPANDED), Social Sciences Citation Index (SSCI), Conference Proceedings Citation Index – Science (CPCI-S), Conference Proceedings Citation Index – Social Science & Humanities (CPCI-SSH), Emerging Sources Citation Index (ESCI)	
	2. Results for (organi?ati* OR corpor* OR enterpr* OR compan* OR firm? OR business* OR unternehmen?) NEAR/50 ?ultur* (Topic) AND informati* OR ?ommuni* (Topic) AND strateg* OR align* (Topic) AND techn* OR system? (Topic) NOT agri* OR nation* OR citiz* OR countr* OR "cross-cultur*" OR identi* OR climat* OR "data scien*" OR operat* OR matur* (All Fields)	1.030
	3. Refining by <i>Articles, Proceedings Papers</i>	981
	4. Refining by excluding WoS Categories, such as <i>Information Science Library Science, Education Educational Research, Computer Science Theory Methods</i> , etc.	344
	5. Export the results as a <i>BibTeX</i> file, start <i>R-Studio</i> (or another application), activate the package with <i>library(bibliometrix)</i> , and load and convert the exported references to an <i>R</i> data frame with the command <i>convert2df</i> .	

Continued on the following page.

Continued from the previous page.

Database	Search syntax/filters/restrictions	N
	Final query: <pre>(TS=((organi?ati* OR corpor* OR enterpr* OR compan* OR firm? OR business* OR unternehmen?) NEAR/50 ?ultur*) AND TS= (informati* OR ?ommuni*) AND TS=(strateg* OR align*) AND TS=(techn* OR system?) NOT ALL=(agri* OR nation* OR citiz* OR countr* OR "cross-cultur*" OR identi* OR climat* OR "data scien*" OR operat* OR matur*)) AND ((DT=="ARTICLE" OR "PROCEEDINGS PAPER")) NOT (TASCA=="INFORMATION SCIENCE LIBRARY SCIENCE" OR "EDUCATION EDUCATIONAL RESEARCH" OR "COMPUTER SCIENCE THEORY METHODS" OR "ENGINEERING ELECTRICAL ELECTRONIC" OR "OPERATIONS RESEARCH MANAGEMENT SCIENCE" OR "ENGINEERING INDUSTRIAL" OR "PUBLIC ENVIRONMENTAL OCCUPATIONAL HEALTH" OR "BUSINESS FINANCE" OR "COMPUTER SCIENCE ARTIFICIAL INTELLIGENCE" OR "HEALTH CARE SCIENCES SERVICES" OR "ENVIRONMENTAL SCIENCES" OR "COMPUTER SCIENCE SOFTWARE ENGINEERING" OR "ENVIRONMENTAL STUDIES" OR "GREEN SUSTAINABLE SCIENCE TECHNOLOGY" OR "HEALTH POLICY SERVICES" OR "HOSPITALITY LEISURE SPORT TOURISM" OR "ENGINEERING MANUFACTURING" OR "ENGINEERING MULTIDISCIPLINARY" OR "MEDICAL INFORMATICS" OR "COMPUTER SCIENCE CYBERNETICS" OR "REGIONAL URBAN PLANNING" OR "TELECOMMUNICATIONS" OR "EDUCATION SCIENTIFIC DISCIPLINES" OR "NURSING" OR "MEDICINE GENERAL INTERNAL" OR "ENGINEERING CIVIL" OR "POLITICAL SCIENCE" OR "URBAN STUDIES" OR "INDUSTRIAL RELATIONS LABOR" OR "PUBLIC ADMINISTRATION" OR "CONSTRUCTION BUILDING TECHNOLOGY" OR "ENGINEERING MECHANICAL" OR "LANGUAGE LINGUISTICS" OR "SOCIAL ISSUES" OR "SOCIAL WORK" OR "COMPUTER SCIENCE HARDWARE ARCHITECTURE" OR "DEVELOPMENT STUDIES" OR "ERGONOMICS" OR "INTERNATIONAL RELATIONS" OR "LINGUISTICS"</pre>	

Continued on the following page.

Continued from the previous page.

Database	Search syntax/filters/restrictions	N
	OR "MATERIALS SCIENCE MULTIDISCIPLINARY" OR "PHARMACOLOGY PHARMACY" OR "PSYCHOLOGY EXPERIMENTAL" OR "TRANSPORTATION SCIENCE TECHNOLOGY" OR "WOMEN S STUDIES" OR "AGRONOMY" OR "ARCHITECTURE" OR "AREA STUDIES" OR "ART" OR "ECOLOGY" OR "GEOSCIENCES MULTIDISCIPLINARY" OR "HISTORY PHILOSOPHY OF SCIENCE" OR "PEDIATRICS" OR "PHYSICS MULTIDISCIPLINARY" OR "TRANSPORTATION" OR "ANTHROPOLOGY" OR "AUTOMATION CONTROL SYSTEMS" OR "BIOCHEMICAL RESEARCH METHODS" OR "BIOTECHNOLOGY APPLIED MICROBIOLOGY" OR "DEMOGRAPHY" OR "DENTISTRY ORAL SURGERY MEDICINE" OR "ENGINEERING AEROSPACE" OR "ENGINEERING ENVIRONMENTAL" OR "FORESTRY" OR "GEOLOGY" OR "HISTORY" OR "HORTICULTURE" OR "INSTRUMENTS INSTRUMENTATION" OR "INTEGRATIVE COMPLEMENTARY MEDICINE" OR "LAW" OR "MEDICINE RESEARCH EXPERIMENTAL" OR "NUTRITION DIETETICS" OR "PLANT SCIENCES" OR "PRIMARY HEALTH CARE" OR "PSYCHOLOGY EDUCATIONAL" OR "SOCIAL SCIENCES BIOMEDICAL" OR "VETERINARY SCIENCES" OR "AGRICULTURAL ECONOMICS POLICY" OR "AGRICULTURAL ENGINEERING" OR "AGRICULTURE DAIRY ANIMAL SCIENCE" OR "AGRICULTURE MULTIDISCIPLINARY" OR "ASIAN STUDIES" OR "BIODIVERSITY CONSERVATION" OR "BIOLOGY" OR "CELL BIOLOGY" OR "CHEMISTRY ANALYTICAL" OR "CHEMISTRY MULTIDISCIPLINARY" OR "DERMATOLOGY" OR "EDUCATION SPECIAL" OR "EMERGENCY MEDICINE" OR "ENERGY FUELS" OR "ENGINEERING PETROLEUM" OR "ETHICS" OR "FAMILY STUDIES" OR "FOOD SCIENCE TECHNOLOGY" OR "GENETICS HEREDITY" OR "GEOCHEMISTRY GEOPHYSICS" OR "GEOGRAPHY" OR "GERIATRICS GERONTOLOGY" OR "GERONTOLOGY" OR "HISTORY OF SOCIAL SCIENCES" OR "IMAGING SCIENCE PHOTOGRAPHIC TECHNOLOGY" OR "MARINE FRESHWATER BIOLOGY" OR "MATERIALS SCIENCE PAPER WOOD" OR	
<i>Continued on the following page.</i>		

Continued from the previous page.

Database	Search syntax/filters/restrictions	N
	"MATHEMATICS" OR "MECHANICS" OR "MEDICAL LABORATORY TECHNOLOGY" OR "METALLURGY METALLURGICAL ENGINEERING" OR "MUSIC" OR "NANOSCIENCE NANOTECHNOLOGY" OR "NUCLEAR SCIENCE TECHNOLOGY" OR "OPTICS" OR "PATHOLOGY" OR "PHILOSOPHY" OR "PHYSICS APPLIED" OR "PSYCHOLOGY CLINICAL" OR "PSYCHOLOGY PSYCHOANALYSIS" OR "RADIOLOGY NUCLEAR MEDICINE MEDICAL IMAGING" OR "REHABILITATION" OR "RELIGION" OR "REMOTE SENSING" OR "SPORT SCIENCES" OR "SURGERY" OR "THEATER" OR "TOXICOLOGY" OR "TRANSPLANTATION" OR "UROLOGY NEPHROLOGY" OR "ZOOLOGY")))	
Scopus	1. Results for the advanced search with (TITLE-ABS-KEY (organi?ion* OR corpor* OR enterpr* OR compan* OR firm* OR business* OR unternehmen* W/50 *ultur*) AND TITLE-ABS-KEY (informati* OR *ommuni* W/50 techn* OR system*) AND TITLE-ABS-KEY (strateg* OR align*) AND NOT TITLE-ABS-KEY (agri* OR nation* OR "cross-cultur*" OR citiz* OR countr* OR identi* OR climat* OR "data scien*" OR operat* OR matur*)) 2. Exclude subject areas not relevant to the search terms, such as <i>Arts and Humanities, Environmental Science, Mathematics, Medicine, etc.</i> 3. Limit to document type, i.e., <i>Article, Conference Paper, Book Chapter, and Book</i> 4. Exclude most apparent keywords not relevant to the search terms, such as <i>Knowledge Management, Societies and Institutions, Project Management, Marketing, Personnel, or Human Resource Management</i> 5. Search within results with ?ultur*	981 716 654 311 305

Continued on the following page.

Continued from the previous page.

Database	Search syntax/filters/restrictions	N
	6. Export the results as a <i>BibTeX</i> file and load and convert the exported references to an <i>R</i> data frame with the command <i>convert2df</i>. Add the WoS fields “NR” and “organization”, which are in Scopus not apparent, and sort the columns of the data frame just as the WoS. Final query: <pre>((TITLE-ABS-KEY (organi?ion* OR corpor* OR enterpr* OR compan* OR firm* OR business* OR unternehmen* W/50 *ultur*) AND TITLE-ABS-KEY (informati* OR *ommuni* W/50 techn* OR system*) AND TITLE-ABS-KEY (strateg* OR align*) AND NOT TITLE-ABS-KEY (agri* OR nation* OR citiz* OR countr* OR "cross-cultur*" OR identi* OR climat* OR "data scien*" OR operat* OR matur*))) AND (?ultur*) AND (EXCLUDE (SUBJAREA , "ARTS") OR EXCLUDE (SUBJAREA , "ENVI") OR EXCLUDE (SUBJAREA , "MATH") OR EXCLUDE (SUBJAREA , "MEDI")) AND (EXCLUDE (SUBJAREA , "EART") OR EXCLUDE (SUBJAREA , "AGRI") OR EXCLUDE (SUBJAREA , "MATE") OR EXCLUDE (SUBJAREA , "CENG") OR EXCLUDE (SUBJAREA , "PHYS") OR EXCLUDE (SUBJAREA , "ENER") OR EXCLUDE (SUBJAREA , "BIOC") OR EXCLUDE (SUBJAREA , "CHEM") OR EXCLUDE (SUBJAREA , "NURS") OR EXCLUDE (SUBJAREA , "PHAR") OR EXCLUDE (SUBJAREA , "DENT") OR EXCLUDE (SUBJAREA , "HEAL"))) AND (EXCLUDE (SUBJAREA , "NEUR"))) AND (LIMIT-TO (DOCTYPE , "ar") OR LIMIT-TO (DOCTYPE , "cp") OR LIMIT-TO (DOCTYPE , "ch") OR LIMIT-TO (DOCTYPE , "re"))) AND</pre>	

Continued on the following page.

Continued from the previous page.

Database	Search syntax/filters/restrictions	N
	(EXCLUDE (EXACTKEYWORD , "Knowledge Management") OR EXCLUDE (EXACTKEYWORD , "Societies And Institutions") OR EXCLUDE (EXACTKEYWORD , "Project Management") OR EXCLUDE (EXACTKEYWORD , "Marketing") OR EXCLUDE (EXACTKEYWORD , "Personnel") OR EXCLUDE (EXACTKEYWORD , "Human Resource Management") OR EXCLUDE (EXACTKEYWORD , "Sustainable Development") OR EXCLUDE (EXACTKEYWORD , "Economic And Social Effects") OR EXCLUDE (EXACTKEYWORD , "Information Services") OR EXCLUDE (EXACTKEYWORD , "Knowledge Based Systems") OR EXCLUDE (EXACTKEYWORD , "Electronic Commerce") OR EXCLUDE (EXACTKEYWORD , "Personnel Training") OR EXCLUDE (EXACTKEYWORD , "Customer Satisfaction") OR EXCLUDE (EXACTKEYWORD , "Product Design") OR EXCLUDE (EXACTKEYWORD , "Product Development") OR EXCLUDE (EXACTKEYWORD , "Commerce") OR EXCLUDE (EXACTKEYWORD , "Engineering Education") OR EXCLUDE (EXACTKEYWORD , "Knowledge Acquisition") OR EXCLUDE (EXACTKEYWORD , "Professional Aspects") OR EXCLUDE (EXACTKEYWORD , "Education") OR EXCLUDE (EXACTKEYWORD , "Organizational Learning") OR EXCLUDE (EXACTKEYWORD , "Social Media") OR EXCLUDE (EXACTKEYWORD , "E-learning") OR EXCLUDE (EXACTKEYWORD , "Internet") OR EXCLUDE (EXACTKEYWORD , "Enterprise Architecture") OR EXCLUDE (EXACTKEYWORD , "Internet Of Things") OR EXCLUDE (EXACTKEYWORD , "Manufacture") OR EXCLUDE (EXACTKEYWORD , "Resource Allocation") OR	

Continued on the following page.

Continued from the previous page.

Database	Search syntax/filters/restrictions	N
	EXCLUDE (EXACTKEYWORD , "Risk Management") OR EXCLUDE (EXACTKEYWORD , "Software Engineering") OR EXCLUDE (EXACTKEYWORD , "Computer Networks") OR EXCLUDE (EXACTKEYWORD , "E-commerce") OR EXCLUDE (EXACTKEYWORD , "Trust") OR EXCLUDE (EXACTKEYWORD , "Cell Culture") OR EXCLUDE (EXACTKEYWORD , "Computer Software") OR EXCLUDE (EXACTKEYWORD , "Computer Supported Cooperative Work") OR EXCLUDE (EXACTKEYWORD , "Employment") OR EXCLUDE (EXACTKEYWORD , "Hardware") OR EXCLUDE (EXACTKEYWORD , "Investments") OR EXCLUDE (EXACTKEYWORD , "Knowledge Transfer") OR EXCLUDE (EXACTKEYWORD , "Quality Assurance") OR EXCLUDE (EXACTKEYWORD , "Security Of Data") OR EXCLUDE (EXACTKEYWORD , "Social Networking (online)") OR EXCLUDE (EXACTKEYWORD , "Students") OR EXCLUDE (EXACTKEYWORD , "Total Quality Management") OR EXCLUDE (EXACTKEYWORD , "Administrative Data Processing") OR EXCLUDE (EXACTKEYWORD , "Big Data") OR EXCLUDE (EXACTKEYWORD , "Data Processing") OR EXCLUDE (EXACTKEYWORD , "Embedded Systems") OR EXCLUDE (EXACTKEYWORD , "Knowledge") OR EXCLUDE (EXACTKEYWORD , "Learning Systems") OR EXCLUDE (EXACTKEYWORD , "Mathematical Models") OR EXCLUDE (EXACTKEYWORD , "Network Architecture") OR EXCLUDE (EXACTKEYWORD , "Sales") OR EXCLUDE (EXACTKEYWORD , "Systems Engineering") OR	

Continued on the following page.

Continued from the previous page.

Database	Search syntax/filters/restrictions	N
	EXCLUDE (EXACTKEYWORD , "Virtual Reality") OR EXCLUDE (EXACTKEYWORD , "Computer Simulation") OR EXCLUDE (EXACTKEYWORD , "Corporate Social Responsibility") OR EXCLUDE (EXACTKEYWORD , "Cultural Difference") OR EXCLUDE (EXACTKEYWORD , "Curricula") OR EXCLUDE (EXACTKEYWORD , "ERP") OR EXCLUDE (EXACTKEYWORD , "Finance") OR EXCLUDE (EXACTKEYWORD , "Higher Education") OR EXCLUDE (EXACTKEYWORD , "Information Dissemination") OR EXCLUDE (EXACTKEYWORD , "International Trade") OR EXCLUDE (EXACTKEYWORD , "Knowledge Management System") OR EXCLUDE (EXACTKEYWORD , "Knowledge-sharing") OR EXCLUDE (EXACTKEYWORD , "Life Cycle") OR EXCLUDE (EXACTKEYWORD , "Mergers And Acquisitions") OR EXCLUDE (EXACTKEYWORD , "Quality Function Deployment") OR EXCLUDE (EXACTKEYWORD , "Supply Chain Management") OR EXCLUDE (EXACTKEYWORD , "Universities") OR EXCLUDE (EXACTKEYWORD , "Websites") OR EXCLUDE (EXACTKEYWORD , "Wireless Networks") OR EXCLUDE (EXACTKEYWORD , "World Wide Web")) AND (EXCLUDE (EXACTKEYWORD , "Cultural Heritage"))	
Google Scholar	The above search strategy in Google Scholar gives too many results. The search terms can be narrower because of Google's practical algorithms; watch out and sort the results by relevance and untick the box "include citations." 1. Search with "organizational culture" and "business-IT alignment" 1.380 2. Search with "corporate culture" and "business-IT alignment" 449 3. By ticking the <i>star</i>, take as many references as possible with the terms <i>culture</i> and <i>alignment</i> appearing in the <i>title</i> and <i>description</i> into the personal library.	

Continued on the following page.

Continued from the previous page.

Database	Search syntax/filters/restrictions	<i>N</i>
	4. Export as a <i>BibTeX</i> file, import to <i>Zotero</i> (or another bibliographic software program), and merge double entries. 5. Unfortunately, Google Scholar does not store the abstracts. Therefore, the collection entries must be <i>individually opened</i> in the Internet browser and the abstract copied. 6. Search the relevant keywords in the <i>titles</i> and <i>abstracts</i>, which results in the final sample. 7. Export the results as a <i>BibTeX</i> file and load and convert the exported references to an <i>R</i> data frame with the command <i>ReadBib</i> of the package <i>RefManageR</i>. Then, add the WoS fields “NR,” “C1,” “CR,” “AR,” “JI,” “PN,” “TC,” “DB,” “AU.UN,” and “SR.FULL,” which are in Google Scholar not apparent, name the columns just as the WoS, delete unnecessary columns, and sort the columns of the data frame just as the WoS.	53
All	Bind the rows of the WoS, Scopus, and Google Scholar data frames, sort them by <i>author</i> and <i>year</i> and eliminate duplicates by <i>title</i> . The final records are the input for the application with the command <i>biblioshiny</i> of the <i>bibliometrix</i> package.	660
