Chart A
Systematic Searching

Database	Date of Search	Search terms	Search Strings	Total No. of items
Engineering Village	4/15/21	"virtual human" OR "virtual humans"	found in Compendex & Inspec for 1990-2022: (("virtual human" OR "virtual humans") WN ALL) AND (English WN LA) - ({ch} OR {bk} OR {ip} OR {st} OR {ed}) WN DT	3,801
Engineering Village	5/20/21	"embodied conversational agents" OR "embodied conversational agent"	found in Compendex & Inspec for 1990-2022: (("embodied conversational agents" OR "embodied conversational agent") WN ALL) AND (English WN LA) - ({ch} OR {ip} OR {bk}) WN DT	1,280
Engineering Village	4/15/21	"virtual agents" OR "virtual agent"	found in Compendex & Inspec for 1990-2022: (("virtual agents" OR "virtual agent") WN ALL) AND (English WN LA) - ({ch} OR {ip} OR {bk}) WN DT	5,603
Engineering Village	4/16/21	"digital humans" OR "digital human"	found in Compendex & Inspec for 1990-2022: (("digital humans" OR "digital human") WN ALL) AND (English WN LA) - ({ch} OR {ip} OR {bk} OR {er} OR {ed}) WN DT	4,446
Web of Science	4/16/21	"digital humans" OR "digital human"	TOPIC: ("digital humans" OR "digital human") Refined by: DOCUMENT TYPES: (ARTICLE OR REVIEW OR PROCEEDINGS PAPER OR EARLY ACCESS) AND [excluding] DOCUMENT TYPES: (BOOK CHAPTER)	759

Web of Science	5/13/21	"embodied conversational agents" OR "embodied conversational agent"	TOPIC: ("Embodied Conversational Agents" or "Embodied Conversational Agent") Refined by: DOCUMENT TYPES: (PROCEEDINGS PAPER OR EARLY ACCESS OR ARTICLE OR REVIEW) AND LANGUAGES: (ENGLISH) Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, BKCI-S, BKCI-SSH, ESCI, CCR-EXPANDED, IC Timespan=1990-2021	643
Web of Science	4/16/21	virtual human OR virtual humans	TOPIC: ("Virtual human" or "Virtual humans") Refined by: [excluding] DOCUMENT TYPES: (BOOK OR REPRINT OR BOOK REVIEW OR BOOK CHAPTER OR SOFTWARE REVIEW OR LETTER) Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI- SSH, BKCI-S, BKCI-SSH, ESCI, CCR-EXPANDED, IC Timespan=1990-2021	1,897
IEEE Xplore	4/18/21	"virtual human" OR "virtual humans"	"virtual human" OR "virtual humans" Filters Applied: Conferences Journals Early Access Articles	651

Proquest	4/18, 4/27	"virtual human" OR "virtual humans"	("virtual human" OR "virtual humans") AND stype.exact ("Conference Papers & Proceedings" OR "Books" OR "Scholarly Journals" OR "Dissertations & Theses" OR "Evidence-Based Medical Resources" OR "Speeches & Presentations") AND at.exact ("Book Chapter" OR "Dissertation/Thesis" OR "Government & Official Document" OR "Panel Discussion" OR "Case Study" OR "Conference Proceeding" OR "Conference Paper" OR "Book" OR "Article" OR "Classified Advertisement") AND la.exact("English") AND pd(>19900101)	5898
IEEE Xplore	4/19/21	"embodied conversational agents" OR "embodied conversational agent"	"embodied conversational agents" OR "embodied conversational agent" Filters Applied: Conferences Journals Early Access Articles	125
IEEE Xplore	4/19/21	"virtual agents" OR "virtual agent"	"virtual agents" OR "virtual agent" Filters Applied: Conferences Journals Early Access Articles	511

ProQuest	4/19/21	conversational agents" OR "embodied sty conversational agent" "" F D C C	("embodied conversational agents" OR "embodied conversational agent") AND pe.exact("Conference Papers Proceedings" OR "Books" OR "Scholarly Journals" OR "Scholarly Journals" OR Dissertations & Theses" OR "Evidence-Based Medical Resources" OR "Speeches & Presentations") AND at.exact ("Book Chapter" OR "Dissertation/Thesis" OR "Government & Official Document" OR "Panel Piscussion" OR "Case Study" OR "Conference Proceeding" OR "Conference Paper" OR "Book" OR "Article" OR "Classified Advertisement") AND la.exact("English")	1377
ArXiv	4/19/21	"virtual humans" all: OR "virtual human"	"virtual humans" OR "virtual human"	48
ArXiv	4/19/21	"embodied a conversational agents" OR "embodied conversational	II: "embodied conversational agents" OR "embodied conversational agent"	11
ArXiv	4/19/21	"virtual agents" OR all "virtual agent"	: "virtual agents" OR "virtual agent"	81
ArXiv	4/19/21	"digital humans" all: OR "digital human"	"digital humans" OR "digital human"	96
ACM	4/20/21	"virtual humans" hu	'query": { AllField:("virtual mans" OR "virtual human") } "filter": { ACM Pub type: roceedings, Publication Date: 01/01/1990 TO 04/30/2021),	1,249

ACM	4/20/21	"virtual human" OR "virtual humans"	"query": { AllField:("virtual humans" OR "virtual human") } "filter": { ACM Pub type: Journals, Publication Date: (01/01/1990 TO 04/30/2021), ACM Content: DL }	157
ACM	4/20/21	"embodied conversational agents" OR "embodied conversational agent"	"query": { AllField:("embodied conversational agents" OR "embodied conversational agent") } "filter": { ACM Pub type: Proceedings, Publication Date: (01/01/1990 TO 04/30/2021), ACM Content: DL }	665
ACM	4/20/21	"embodied conversational agents" OR "embodied conversational agent"	"query": { AllField:("embodied conversational agents" OR "embodied conversational agent") } "filter": { ACM Pub type: Journals, Publication Date: (01/01/1990 TO 04/30/2021), ACM Content: DL }	56
ACM	4/20/21	"virtual agents" OR "virtual agent"	"query": { AllField:("virtual agents" OR "virtual agent") } "filter": { ACM Pub type: Proceedings, Publication Date: (01/01/1990 TO 04/30/2021), ACM Content: DL }	1,941
ACM	4/21/21	"virtual agents" OR "virtual agent"	"query": { AllField:("virtual agents" OR "virtual agent") } "filter": { ACM Pub type: Journals, Publication Date: (01/01/1990 TO 04/30/2021), ACM Content: DL }	162
ACM	4/21/21	"digital humans" OR "digital human"	"query": { AllField:("digital humans" OR "digital human") } "filter": { ACM Pub type: Proceedings, Publication Date: (01/01/1990 TO 04/30/2021),	164

ACM	4/21/21	"digital humans" OR "digital human"	"query": { AllField:("digital humans" OR "digital human") } "filter": { ACM Pub type: Journals, Publication Date: (01/01/1990 TO 04/30/2021), ACM Content: DL }	37
IEEE Xplore	4/21/21	"digital humans" OR "digital human"	"digital humans" OR "digital human" Filters Applied: Conferences Journals	314
ProQuest	4/21/21	"virtual agents" OR "virtual agent"	NOT (Wire Feeds AND Newspapers AND Trade Journals AND Books AND Magazines AND Blogs, Podcasts, & Websites AND Historical Newspapers AND Reports AND Other Sources AND Speeches & Presentations AND Audio & Video Works AND Encyclopedias & Reference Works) 1990-01-01 - 2021-04-30 English	4,339
Web of Science	4/21/21	"virtual agents" OR "virtual agent"	TOPIC: ("Virtual agent" or "Virtual agents") Refined by: [excluding] DOCUMENT TYPES: (BOOK OR REPRINT OR BOOK REVIEW OR BOOK CHAPTER OR SOFTWARE REVIEW OR LETTER) Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI- SSH, BKCI-S, BKCI-SSH, ESCI, CCR-EXPANDED, IC Timespan=1990-2021	1,735

ProQuest	4/22/21	"digital humans" OR "digital human"	NOT (Wire Feeds AND Newspapers AND Trade Journals AND Historical Newspapers AND Blogs, Podcasts, & Websites AND Books AND Magazines AND Reports AND Other Sources AND Audio & Video Works) 1990-01-01 - 2021-04-30 English	2,749
ScienceDirect	4/27/21	"virtual human" OR "virtual humans"	"virtual human" OR "virtual humans", 1990-2021, Document Type: Review Articles, Research Articles, Conference Abstracts, Other	1,125
Gale computer	4/25/21	"virtual human" OR "virtual humans"	Document Type: "Abstract" Or "Advertisement" Or "Article" Or "Brief article" Or "Report" Or "Review" Or "Technical report" Or "Topic overview" Date: > Jan 01, 1990	66
Gale Computer	4/25/21	"embodied conversational agents" OR "embodied conversational agent"	Document Type: "Abstract" Or "Advertisement" Or "Article" Or "Brief article" Or "Report" Or "Review" Or "Technical report" Or "Topic overview" Date: > Jan 01, 1990	30
Gale Computer		"virtual agents" OR "virtual agent"	Document Type: "Abstract" Or "Advertisement" Or "Article" Or "Brief article" Or "Report" Or "Review" Or "Technical report" Or "Topic overview" Date: > Jan 01, 1990	111
Wiley	4/25/21	"embodied conversational agents" OR "embodied conversational agent"	"embodied conversational agents" OR "embodied conversational agent" +pub years 1/1/1990 to 1/1/2021, pub type: Jounrls, books, Reference works	110

Wiley	4/25/21	"virtual human" OR "virtual humans"	"virtual human" OR "virtual humans" +pub years 1/1/1990 to 1/1/2021, pub type: Jounrls, books, Reference works	891
Wiley	4/25/21	"virtual agents" OR "virtual agent"	"virtual agents" OR "virtual agent" +pub years 1/1/1990 to 1/1/2021, pub type: Jounrls, books, Reference works	413
ScienceDirect	4/28/21	"virtual agents" OR "virtual agent"	1990-2021, Find articles with these terms "Virtual Agent" OR "Virtual Agents" Review, Review Articles, Conference Abstract, Other	1,077
Scopus	4/28/21	"virtual human" OR "virtual humans"	ALL("virtual human" OR "virtual humans") AND (PUBYEAR AFT 1990) AND (LIMIT-TO (DOCTYPE,"cp") OR LIMIT-TO (DOCTYPE," ar") OR LIMIT-TO (DOCTYPE,"re"))	11,726
ScienceDirect	4/29/21	"digital humans" OR "digital human"	1990-2021, Find articles with these terms "digital agent" OR "digital agents" Review, Research Articles, Conference Abstract, Case Reports, Other	771
Scopus	4/29/21	"virtual agents" OR "virtual agent"	ALL ("virtual agent" OR "virtual agents") AND (PUBYEAR > 1990) AND (LIMIT-TO (DOCTYPE, "cp") OR LIMIT-TO (DOCTYPE, "ar") OR LIMIT-TO (DOCTYPE, "re")) AND (LIMIT-TO (LANGUAGE, "English"))	8,239

Scopus	4/29/21	"digital humans" OR "digital human"	ALL ("digital human" OR "digital humans") AND (PUBYEAR > 1990) AND (LIMIT-TO (DOCTYPE , "cp") OR LIMIT-TO (DOCTYPE , "ar") OR LIMIT-TO (DOCTYPE , "re")) AND (LIMIT-TO (LANGUAGE , "English"))	4,040
ScienceDirect	4/29/21	"embodied conversational agents" OR "embodied conversational agent"	1990-2021, Find articles with these terms "Embodied Conversational Agents" OR "Embodied Conversational Agent" Review, Research Articles, Other	244
Scopus	4/29/21	"embodied conversational agents" OR "embodied conversational agent"	ALL ("embodied conversational agent" OR "embodied conversational agents") AND (PUBYEAR > 1990) AND (LIMIT-TO (DOCTYPE , "cp") OR LIMIT-TO (DOCTYPE , "ar") OR LIMIT-TO (DOCTYPE , "re") AND (4,213
PubMed	5/14/21	"virtual human" OR "virtual humans"	("virtual humans"[All Fields] OR "virtual human"[All Fields]) AND ((1990:2021[pdat]) AND (english[Filter]))	422
PubMed	5/14/21	"embodied conversational agents" OR "embodied conversational agent"	("embodied conversational agents"[All Fields] OR "embodied conversational agent" [All Fields]) AND ((1990:2021 [pdat]) AND (english[Filter]))	59
PubMed	5/14/21	"virtual agents" OR "virtual agent"	("virtual agents"[All Fields] OR "virtual agent"[All Fields]) AND ((1990:2021[pdat]) AND (english[Filter]))	140

PubMed	5/14/21	"digital humans" OR "digital human"	("digital humans"[All Fields] OR "digital human"[All Fields]) AND ((1990:2021[pdat]) AND (english[Filter]))	199
EBSCO Applied Science & Technology Source	5/14/21	"virtual human" OR "virtual humans"	Search Terms "Virtual Human" OR "Virtual Humans" Limiters - Published Date: 19900101- 20210431; Publication Type: Academic Journal, Conference Paper, Conference Proceeding, Review Expanders - Apply equivalent subjects Search modes - Find all my search terms	365
EBSCO Applied Science & Technology Source	5/14/21	"virtual agents" OR "virtual agent"	Search Terms "Virtual Agent" OR "Virtual Agents" Limiters - Publication Type: Academic Journal, Conference Paper, Conference Proceeding, Report, Review Expanders - Apply equivalent subjects Narrow by Language: - english Search modes - Find all my search terms	285
EBSCO Applied Science & Technology Source	5/14/21	"embodied conversational agents" OR "embodied conversational agent"	Search Terms "Embodied Conversational Agent" OR "Embodied Conversational Agents" Limiters - Publication Type: Academic Journal, Conference Paper, Conference Proceeding, Report, Review Expanders - Apply equivalent subjects Narrow by Language: - english Search modes - Find all my search terms	122

EBSCO Applied Science & Technology Source	5/14/21	"digital humans" OR "digital human"	Search Terms "Digital Human" OR "Digital Humans" Limiters - Publication Type: Academic Journal, Conference Paper, Conference Proceeding, Report, Review Expanders - Apply equivalent subjects Narrow by Language: - english Search modes - Find all my search terms	145
EBSCO General Science Full Text	5/14/21	"embodied conversational agents" OR "embodied conversational agent"	Search Terms "Embodied Conversational Agent" OR "Embodied Conversational Agents"Limiters - Published Date: 19900101-20210431; Publication Type: Academic Journal, ReviewExpanders - Apply equivalent subjectsSearch modes - SmartText Searching	23
EBSCO General Science Full Text	5/20/21	"virual human" OR "virtual humans"	Search Terms "Virtual Agent" OR "Virtual Agents" Limiters - Published Date: 19900101- 20191231; Publication Type: Academic Journal, Review; Scholarly (Peer Reviewed) Journals Expanders - Apply equivalent subjects Search modes - Find all my search terms	9
EBSCO General Science Full Text	5/20/21	"vrtual agent" OR "virtual agents"	Search Terms "virtual agent" OR "virtual agents" Limiters - Published Date: 19900101- 20191231; Publication Type: Academic Journal, Review; Scholarly (Peer Reviewed) Journals Expanders - Apply equivalent subjects Search modes - SmartText Searching	2

EBSCO	5/20/21	"digital humans"	Search Term
General		OR "digital human"	OR "digital
Science Full			Published
Text			20191231;
			Academic
			Scholarly
			Journals E
			. 1

Search Terms "digital humans"
OR "digital human" Limiters Published Date: 1990010120191231; Publication Type:
Academic Journal, Review;
Scholarly (Peer Reviewed)
Journals Expanders - Apply
equivalent subjects Search
modes - SmartText Searching

0