ADDITIONAL FILE 1

Search strategy

Database search conducted January 5 2025.

ScienceDirect

	String	Results
1	("Incremental learning" OR "continual learning" OR "lifelong learning" OR "sequential learning")	3,355
2	("Medical Image" OR "computer aided detection" OR "computer aided diagnosis")	16,235
3	1 and 2	20
4	limit 3 to yr="2019-2024"	15
5	limit 4 to english language	15

IEEE Xplore

	String	Results
1	(("Document Title": "Incremental learning" OR "Document Title":"continual learning" OR "Document Title":"lifelong learning" OR "Document Title":"sequential learning") OR ("Abstract": "Incremental learning" OR "Abstract":"continual learning" OR "Abstract":"lifelong learning" OR "Abstract":"sequential learning") OR ("Author Keywords": "Incremental learning" OR "Author Keywords":"continual learning" OR "Author Keywords":"lifelong learning" OR "Author Keywords":"sequential learning"))	5,659
2	(("Document Title": "Medical Image" OR "Document Title":"computer aided detection" OR "Document Title":"computer aided diagnosis") OR ("Abstract": "Medical Image" OR "Abstract":"computer aided detection" OR "Abstract":"computer aided diagnosis") OR ("Author Keywords": "Medical Image" OR "Author Keywords":"computer aided detection" OR "Author Keywords":"computer aided diagnosis"))	15,764
3	1 and 2	26
4	limit 3 to yr="2019-2024"	21
5	limit 4 to english language	21

Use of "Command Search".

ACM Digital Library

	String	Results
1	(("Document Title": "Incremental learning" OR "Document Title":"continual learning" OR "Document Title":"lifelong learning" OR "Document Title":"sequential learning") OR ("Abstract": "Incremental learning" OR "Abstract":"continual learning" OR "Abstract":"lifelong learning" OR "Abstract":"sequential learning") OR ("Author Keywords": "Incremental learning" OR "Author Keywords":"continual learning" OR "Author Keywords":"lifelong learning" OR "Author Keywords":"sequential learning"))	855
2	(("Document Title": "Medical Image" OR "Document Title": "Medical diagnosis" OR "Document Title":"computer aided detection" OR "Document Title":"computer aided diagnosis") OR ("Abstract": "Medical Image" OR "Abstract": "Medical diagnosis" OR "Abstract":"computer aided detection" OR "Abstract":"computer aided diagnosis") OR ("Author Keywords": "Medical Image" OR "Author Keywords": "Medical diagnosis" OR "Author Keywords":"computer aided detection" OR "Author Keywords":"computer aided diagnosis"))	1,416

3	1 and 2	46
4	limit 3 to yr="2019-2024"	7
5	limit 4 to english language	5

PubMed

	String	Results
1	(("Incremental learning"[Title/Abstract] OR "continual learning"[Title/Abstract] OR "lifelong learning"[Title/Abstract] OR "sequential learning"[Title/Abstract])) OR (("Incremental learning"[Other Term] OR "continual learning"[Other Term] OR "lifelong learning"[Other Term] OR "sequential learning"[Other Term]))	3,193
2	(("Medical Image"[Title/Abstract] OR "Medical diagnosis"[Title/Abstract] OR "computer aided detection"[Title/Abstract] OR "computer aided diagnosis"[Title/Abstract])) OR (("Medical Image"[Other Term] OR "Medical diagnosis"[Other Term] OR "computer aided detection"[Other Term] OR "computer aided diagnosis"[Other Term]))	2,185
3	1 and 2	22
4	limit 3 to yr="2019-2024"	7 (15)
5	limit 4 to english language	5 (15)

Scopus

	String	Results
1	("Incremental learning" OR "continual learning" OR "lifelong learning" OR "sequential learning")	28,216
2	("Medical Image" OR "Medical diagnosis" OR "computer aided detection" OR "computer aided diagnosis")	115,613
3	1 and 2	235
4	limit 3 to yr="2019-2024"	183
5	limit 4 to english language	180 (207)

Duplicate removal

"A total of xxx articles were identified. Theses articles were were imported into Zotero using CSV files.

The articles duplicated (xxx) were removed manually, leaving **xxx references** to screen.

FULL REFERENCES FOR FULL TEXTS SCREENED