

Detailed Database Search Strategies

Date of Search: April 30, 2024

Timeframe: January 2017 – April 2024

Language Restriction: English

1. Scopus

Search String Used:

text

```
TITLE-ABS-KEY(("multimodal AI" OR "multimodal artificial intelligence" OR "cross-modal AI" OR "multimodal generative AI") AND ("creativity" OR "creative" OR "art" OR "design" OR "writing" OR "narrative" OR "content creation" OR "creative workflow" OR "creative pedagogy" OR "creative education"))
```

Filters Applied:

- Publication Years: 2017 – 2024
- Document Types: Article, Conference Paper, Review
- Language: English
- Subject Areas: Computer Science, Social Sciences, Arts & Humanities, Psychology

Records Retrieved= 189

2. Web of Science (Core Collection)

Search String Used:

text

```
TS=((((("multimodal AI" OR "multimodal artificial intelligence" OR "cross-modal AI") AND ("creativity" OR "creative pedagogy" OR "human-AI collaboration" OR "generative AI")) AND (education OR teaching OR learning OR classroom))
```

Filters Applied:

- Publication Years: 2017 – 2024
- Document Types: Articles, Proceedings Papers, Early Access, Review Articles

- Language: English
- Categories: Education Educational Research, Computer Science Artificial Intelligence, Information Science Library Science, Psychology Multidisciplinary, Art

Records Retrieved= 104

3. ACM Digital Library

Search String Used:

```
text
("multimodal AI" OR "multimodal artificial intelligence" OR "multimodal generative AI") AND ("creativity" OR "creative" OR "design" OR "writing" OR "art") AND ("education" OR "learning" OR "classroom" OR "pedagogy")
```

Filters Applied:

- Publication Years: 2017 – 2024
- Content Type: Research Articles, Conference Proceedings
- Access: Full-text available

Records Retrieved= 83

4. arXiv (Computer Science & Social Science Preprints)

Search String Used:

```
text
ti:("multimodal AI" OR "multimodal artificial intelligence") AND abs:("creativity" OR "creative" OR "education" OR "pedagogy")
```

Filters Applied:

- Subject: Computer Science (cs.AI, cs.HC, cs.CL)
- Submission Date: Since Jan 2017 (to capture preprints prior to formal publication)

Records Retrieved= 52

Total Records Retrieved Across All Databases: 428 (Prior to Deduplication)

Records Remaining After Deduplication & Full-Text Screening: 32

