Supplementary Materials

Toward a Polyvocal Semantic Infrastructure for Tabletop Role-Playing Game Research: A Scoping Review of Multimedia Play Data

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Full Search Strings

0.1 Cadena general exploratoria (CGE)

("tabletop role-playing" OR "TTRPG" OR "analog games" OR "TRPG" OR "live-action role-playing" OR "LARP") AND ("analysis" OR "analytical" OR "computational" OR "multimodal" OR "multimedia" OR "video analysis" OR "discourse analysis" OR "transcript" OR "annotation" OR "ontology" OR "knowledge graph" OR "natural language processing" OR "NLP" OR "machine learning" OR "data mining" OR "visualization" OR "coding scheme" OR "qualitative analysis" OR "mixed methods" OR "semiotic")

PubMed *n*=210

Google Scholar *n*=10

Web of Science *n*=131

https://www.webofscience.com/wos/woscc/summary/e6831edb-4675-4254-9d64-e7bcaaec1b09-01b11db728/750441e1-20fb-4d76-ac94-efe2eb66767a-01b11daf38/relevance/1

10 by relevance, 10 By citation highest

Scopus *n*=438/1

0.2 Cadena particular exploratoria (CPE) base

("tabletop role-playing" OR "TTRPG" OR "analog games" OR "TRPG" OR "live-action role-playing" OR "LARP") AND ("analysis" OR "analytical" OR "computational" OR "multimodal" OR "multimedia" OR "video analysis" OR "discourse analysis" OR "transcript" OR "annotation" OR "ontology" OR "knowledge graph" OR "natural language processing" OR "NLP" OR "machine learning" OR "data mining" OR "visualization" OR "coding scheme" OR "qualitative analysis" OR "mixed methods" OR "semiotic") NOT (proteins) NOT ("Ligand-Assisted Reprecipitation Technique") NOT (Gene) NOT (transtricuspid) NOT ("tricuspid regurgitation peak gradient") NOT ("LARP/UFSM") NOT ("laparoscopic ano-rectoplasty")

PubMed *n*=106

Google Scholar *n*=26,000

Web of Science *n*=284

Scopus *n*=157/

Cadena especifica exploratoria (CEE) final

("tabletop role-playing" OR "TTRPG" OR "analog games" OR "TRPG" OR "live-action role-playing" OR "LARP") AND ("analysis" OR "analytical" OR "computational" OR "multimodal" OR "multimedia" OR "video analysis" OR "discourse analysis" OR "transcript" OR "annotation" OR "ontology" OR "knowledge graph" OR "natural language processing" OR "NLP" OR "machine learning" OR "data mining" OR "visualization" OR "coding scheme" OR "qualitative analysis" OR "mixed methods" OR "semiotic") NOT (proteins) NOT ("Ligand-Assisted Reprecipitation Technique") NOT (Gene) NOT

(transtricuspid) NOT ("tricuspid regurgitation peak gradient") NOT ("LARP/UFSM") NOT ("laparoscopic anorectoplasty")

Filters: in the last 5 years

PubMed n=47

Google Scholar *n*=11,200

Web of Science *n*=131

10 by relevance

10 By citation highest

SPIDER Search

1. Sample

("tabletop role-playing game*" OR "tabletop roleplaying game*" OR TTRPG OR "dungeons and dragons") "tabletop role playing game*"[All Fields] OR "tabletop roleplaying game*"[All Fields] OR "TTRPG"[All Fields] OR "dungeons and dragons"[All Fields]

Filters: in the last 5 years

PubMed n=21

Google Scholar *n*=41

Web of Science *n*=12

https://www.webofscience.com/wos/woscc/summary/bad5233d-1282-4951-81a2-1411d35e6690-01b11df1ef/051ac7c4-8dd8-4f4b-bc9c-9147455a4646-01b11df146/relevance/1

10 by relevance

10 By citation highest

Scopus *n*=5/4

2. Phenomenon

("tabletop role-playing game*"[All Fields] OR "tabletop roleplaying game*"[All Fields] OR "tabletop role playing game*"[All Fields] OR "TTRPG"[All Fields] OR "TRPG"[All Fields] OR "Dungeons and Dragons"[All Fields] OR "Dungeons & Dragons"[All Fields] OR "live-action role-playing"[All Fields] OR "LARP"[All Fields]) AND ("multimodal analysis"[All Fields] OR "multimedia analysis"[All Fields] OR "video analysis"[All Fields] OR "audio analysis"[All Fields] OR "audiovisual analysis"[All Fields] OR "discourse analysis"[All Fields] OR "conversation analysis"[All Fields] OR "narrative analysis"[All Fields] OR "content analysis"[All Fields] OR "thematic analysis"[All Fields] OR "semiotic analysis"[All Fields] OR "transcript analysis"[All Fields] OR "video annotation"[All Fields] OR "audio annotation"[All Fields] OR "multimodal annotation"[All Fields] OR "coding scheme"[All Fields] OR "qualitative coding"[All Fields] OR "session recording"[All Fields] OR "actual play"[All Fields] OR "digital play"[All Fields] OR "chat log"[All Fields] OR "knowledge graph"[All Fields] OR "ontology"[All Fields] OR "natural language processing"[All Fields] OR "NLP"[All Fields] OR "machine learning"[All Fields] OR "data mining"[All Fields] OR "visualization"[All Fields]) NOT proteins[All Fields] NOT "Ligand-Assisted Reprecipitation Technique"[All Fields] NOT Gene[All Fields] NOT transtricuspid[All Fields] NOT "tricuspid regurgitation peak gradient"[All Fields] NOT "LARP/UFSM"[All Fields] NOT "laparoscopic anorectoplasty"[All Fields] NOT "Ligand-Assisted"[All Fields]

Filters: in the last 5 years

PubMed n=4

Google Scholar *n*=10

Web of Science *n*=12

https://www.webofscience.com/wos/woscc/summary/4ec41425-7524-44e9-83b6-6d5feb816cda-01b11df4e6/9adf24bc-9cd7-4a7c-a047-1cc8c7c847c2-01b11df474/relevance/1

10 by relevance

10 By citation highest

Scopus

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  OR TITLE-ABS-KEY("tabletop role playing game*")
  OR TITLE-ABS-KEY("TTRPG")
  OR TITLE-ABS-KEY("TRPG")
  OR TITLE-ABS-KEY("Dungeons and Dragons")
  OR TITLE-ABS-KEY("Dungeons & Dragons")
  OR TITLE-ABS-KEY("live-action role-playing")
  OR TITLE-ABS-KEY("LARP")
)
AND
(
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  OR TITLE-ABS-KEY("video analysis")
  OR TITLE-ABS-KEY("audio analysis")
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OR TITLE-ABS-KEY("NLP")

OR TITLE-ABS-KEY("machine learning")

OR TITLE-ABS-KEY("data mining")

OR TITLE-ABS-KEY("visualization")

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AND NOT TITLE-ABS-KEY("proteins")

AND NOT TITLE-ABS-KEY("Ligand-Assisted Reprecipitation Technique")

AND NOT TITLE-ABS-KEY("Gene")

AND NOT TITLE-ABS-KEY("transtricuspid")

AND NOT TITLE-ABS-KEY("tricuspid regurgitation peak gradient")

AND NOT TITLE-ABS-KEY("LARP/UFSM")

AND NOT TITLE-ABS-KEY("laparoscopic anorectoplasty")

AND NOT TITLE-ABS-KEY("Ligand-Assisted")

Scopus *n*=48/43

3. Design

N/A

4. Evaluation

("tabletop role-playing game"[Title/Abstract] OR "tabletop role-playing games"[Title/Abstract] OR "tabletop roleplaying game"[Title/Abstract] OR "tabletop roleplaying games"[Title/Abstract] OR "tabletop role playing game"[Title/Abstract] OR "tabletop role playing games"[Title/Abstract] OR "TTRPG"[Title/Abstract] OR "TTRPGs"[Title/Abstract] OR ("TRPG"[Title/Abstract] AND ("tabletop"[Title/Abstract] OR "role-playing"[Title/Abstract] OR "role playing"[Title/Abstract])) OR ("Dungeons and Dragons"[Title/Abstract] OR "Dungeons & Dragons"[Title/Abstract]) OR ("LARP"[Title/Abstract] AND ("role-playing"[Title/Abstract] OR "role playing"[Title/Abstract] OR "game"[Title/Abstract] OR "games"[Title/Abstract])) OR "live-action role-playing"[Title/Abstract] OR "live action role-playing"[Title/Abstract] OR "live-action role playing"[Title/Abstract] OR "live action role playing"[Title/Abstract])

Filters: in the last 5 years

PubMed n=23

("tabletop role-playing game" OR "tabletop role-playing games" OR "tabletop roleplaying game" OR "tabletop roleplaying games" OR TTRPG OR TTRPGs OR "Dungeons and Dragons" OR "Dungeons & Dragons" OR "live-action role-playing" OR "live action role playing" OR LARP) (evaluation OR assessment OR "learning outcomes" OR impact OR effectiveness)

Google Scholar *n*=16,000

Web of Science *n*=12

https://www.webofscience.com/wos/woscc/summary/857d0365-b641-4844-90b6-05f65b72293f-01b11df788/dba436b4-2ac9-4763-8029-4d94fb6f9b06-01b11df70b/relevance/1

10 by relevance

10 By citation highest

Scopus

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OR TITLE-ABS-KEY("tabletop role-playing games")

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OR TITLE-ABS-KEY("tabletop roleplaying games")

OR TITLE-ABS-KEY("tabletop role playing game")

OR TITLE-ABS-KEY("tabletop role playing games")

OR TITLE-ABS-KEY("TTRPG")

OR TITLE-ABS-KEY("TTRPGs")

OR (TITLE-ABS-KEY("TRPG") AND (TITLE-ABS-KEY("tabletop") OR TITLE-ABS-KEY("role-playing") OR TITLE-ABS-KEY("role playing")))

OR TITLE-ABS-KEY("Dungeons and Dragons")

OR TITLE-ABS-KEY("Dungeons & Dragons")

OR (TITLE-ABS-KEY("LARP") AND (TITLE-ABS-KEY("role-playing") OR TITLE-ABS-KEY("role playing") OR TITLE-ABS-KEY("game") OR TITLE-ABS-KEY("games")))

OR TITLE-ABS-KEY("live-action role-playing")

OR TITLE-ABS-KEY("live action role-playing")

OR TITLE-ABS-KEY("live-action role playing")

OR TITLE-ABS-KEY("live action role playing")

)

Scopus *n*=203/20

5. Research type

N/A

Full SPIDER Query

Google *n*=1390

("tabletop role-playing" OR "tabletop roleplaying" OR "tabletop role playing" OR TTRPG OR TTRPGs OR TRPG OR "Dungeons and Dragons" OR "Dungeons & Dragons" OR LARP OR "live-action role-playing" OR "live action role playing")

("multimodal analysis" OR "video analysis" OR "discourse analysis" OR "conversation analysis" OR "narrative analysis" OR "semiotic analysis" OR "transcript analysis" OR annotation OR ontology OR "knowledge graph" OR "natural language processing" OR NLP OR "machine learning" OR visualization OR "coding scheme" OR "qualitative analysis" OR "mixed methods")

(evaluation OR assessment OR validation OR effectiveness OR impact OR "learning outcomes" OR "interrater reliability" OR "coding reliability")

-proteins -Gene -transtricuspid -"tricuspid regurgitation peak gradient" -"laparoscopic anorectoplasty"

Web of Science *n*=

10 by relevance

10 By citation highest

Scopus

(

TITLE-ABS-KEY("tabletop role-playing")

OR TITLE-ABS-KEY("tabletop roleplaying")

OR TITLE-ABS-KEY("tabletop role playing")

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AND
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)
AND
(
  TITLE-ABS-KEY(evaluation)
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OR TITLE-ABS-KEY(assessment)

OR TITLE-ABS-KEY(validation)

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AND NOT TITLE-ABS-KEY(proteins)

AND NOT TITLE-ABS-KEY(Gene)

AND NOT TITLE-ABS-KEY(transtricuspid)

AND NOT TITLE-ABS-KEY("tricuspid regurgitation peak gradient")

AND NOT TITLE-ABS-KEY("laparoscopic anorectoplasty")

Scopus *n*= 17/17