HalluCitation Matters: Revealing the Impact of Hallucinated References with 300 Hallucinated Papers in ACL Conferences

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Abstract

Recently, we have often observed hallucinated citations or references that do not correspond to any existing work in papers under review, preprints, or published papers. Such hallucinated citations pose a serious concern to scientific reliability. When they appear in accepted papers, they may also negatively affect the credibility of conferences. In this study, we refer to hallucinated citations as ***"HalluCitation"*** and systematically investigate their prevalence and impact. We analyze all papers published at ACL, NAACL, and EMNLP in 2024 and 2025, including main conference, Findings, and workshop papers. Our analysis reveals that over 300 papers contain at least one HalluCitation, most of which were published in 2025. Notably, half of these papers were identified at EMNLP 2025, the most recent conference, indicating that this issue is rapidly increasing. Moreover, more than 100 such papers were accepted as main conference and Findings papers at EMNLP 2025, affecting the credibility.

✗ **ACL 2025 Main:** Chang et al. (2025) —

> Y. Zhang and Others. 2024. Subsampling for skill improvement in large language models. arXiv preprint arXiv:2402.12345.
> ✓ Hohloch (2024)

✗ **EMNLP 2025 Findings:** Jalori et al. (2025) —

> Wendi Zhou, Xiao Li, Lin Geng Foo, Yitan Wang, Harold Soh, Caiming Xiong, and Yoonkey Kim. 2024. TEMPO: Temporal representation prompting for large language models in time-series forecasting. arXiv preprint arXiv:2405.18384. Anticipated for NeurIPS 2024. Preprint, arXiv:2405.18384.
> ✓ Shandi et al. (2024)

✗ **EMNLP 2025 Main:** Srivastava (2025) —

> Wei Xu, Yulia Tsvetkov, and Alan Black. 2022. AI for language learning: Conversational agents and personalized feedback. Transactions of the Association for Computational Linguistics (TACL), 10:1–15. ✗ **(Non-existent)**
> ✗ Title Link: Canine: Pre-training an Efficient Tokenization-Free Encoder for Language Representation (Clark et al., 2022)

Figure 1: Examples of incorrect reference information. Some references include incorrect arXiv IDs or contain uncertain phrases such as "Anticipated for". Even references that appear plausible may contain HalluCitations, e.g., incorrect link information or references to pages where the cited paper does not exist, as in the last case.

1 Introduction

Thanks to the advances in AI for Science research (Sun et al., 2024; Chen et al., 2025d; Shi et al., 2025) and AI Scientist technologies (Wei et al., 2025b; Huang et al., 2025; Yamada et al., 2025; Tang et al., 2025a; Shao et al., 2025; Xu et al., 2025b), academic research and writing have shifted from traditionally human-centered processes to ones supported by and actively leveraging AI systems such as large language models (LLMs). In particular, LLMs are enabling a wide range of tools for writing assistance (Hwang et al., 2025), literature search (Asai et al., 2024), citation recommendation (Şahinuç et al., 2024a; Çelik and Tekir, 2025), idea discussion (Zheng et al., 2025d), peer-review support and analysis (Jin et al., 2024; Starace et al., 2025; Hossain et al., 2025), and other scientific automation (Şahinuç et al., 2024b). These benefits have been especially significant for non-native English speakers, as AI tools can improve translation and grammatical quality and help create fairer opportunities for participation in the international academic community (Lepp and Smith, 2025).

However, while these advances have boosted research productivity, the research community has begun to face new challenges arising from the exponential growth in paper submissions, particularly in securing qualified reviewers. As a result, the qualification bar has been lowered[1], and reviewers are often required to evaluate many papers on unfamiliar topics within a limited time. Moreover, recent review processes involve potential penalties

[1] https://aclrollingreview.org/incentives2025

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for delayed reviews, such as desk rejection of a reviewer's own submissions[1]. Under such pressure and concern, the focus of peer review has shifted from conducting thorough and rigorous evaluations to completing reviews under strict time constraints. Consequently, we face growing difficulty in carefully inspecting the rigor and factual correctness of submitted manuscripts. In particular, as shown in Figure 1, we have recently observed non-existent citations, i.e., hallucinated references that do not correspond to any real prior work. Such false citations pose a serious threat to scientific reliability and undermine respect for existing work. When they appear in published papers, they may also negatively affect the overall quality and credibility of academic conferences and journals.

In this study, we refer to such hallucinated references as ***"Hallu<u>Citation</u>"*** (Hallucination + Citation, /həˌluː.saɪˈteɪ.ʃən/). Papers that include at least one HalluCitation are referred as ***"HalluCited"*** papers (Hallucination + Cited, /ˈhæl.uːˌsaɪ.tɪd/). We systematically investigate their prevalence and impact at top-tier NLP conferences. We analyze over 17,000 papers published at ACL, NAACL, and EMNLP in 2024 and 2025, including main conference, Findings, and workshop papers. Our analysis and discussion reveal the following findings:

- Over 300 papers contain at least one HalluCitation, mostly published in 2025. Notably, half of these papers were identified at EMNLP 2025, the most recent conference, indicating that this issue is rapidly increasing. Moreover, over 100 such papers are accepted as main and Findings papers in EMNLP 2025, affecting the credibility.
- We propose a HalluCitation detection method based on OCR and database matching, and show that it effectively supports our analysis in identifying actual HalluCitations. In particular, papers with four or more detected candidates exhibit a high incidence of HalluCitations, suggesting a practical guideline for integration into automated detection toolkits.
- Even when HalluCitations are present, they cannot be immediately attributed to AI-generated content, as they may also originate from secondary sources, making their causes more complex. Accordingly, the presence of HalluCitations alone should not lead to immediate penalties for authors. Instead, it is important to establish prior consensus on preventive measures, such as author toolkits for pre-submission checks.

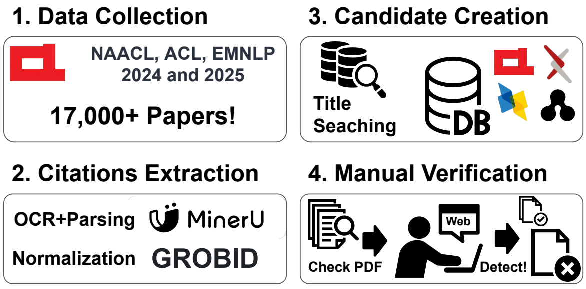


Figure 2: Our analysis method. First, we extract citations from the collected PDFs. Next, we attempt to identify the corresponding papers in a reference paper database using fuzzy matching on citation titles, and flag citations for which no matching paper can be found as HalluCitation candidates. Finally, we manually verify the existence of each candidate by referring to the original PDFs and conducting web searches. If it cannot be objectively identified, we mark it as a HalluCitation.

Year	Venue	Main	Findings	S.I.D.	WS	Total
2024	NAACL	562	296	94	609	1,561
2024	ACL	941	975	84	721	2,721
2024	EMNLP	1,268	1,003	173	510	2,954
2025	NAACL	718	474	177	560	1,929
2025	ACL	1,699	1,387	259	1,165	4,510
2025	EMNLP	1,809	1,405	269	684	4,167
Overall		6,997	5,540	1,056	4,249	17,842

Table 1: Number of PDFs. S.I.D. denotes the total number of papers from the Student Research Workshop, Industry Track, and Demonstration Track. Note that the Industry Track was not held at ACL 2024, and the Student Research Workshop was not held at EMNLP. Conferences are ordered chronologically by their dates.

2 Analysis Methods

This investigation is similar to finding a needle in a haystack, as it requires checking an enormous number of citations to detect a small number of HalluCitation. Therefore, manually verifying all citations is impractical. To address this challenge, as shown in Figure 2, we exploit the assumption that *"the majority of citations are correct"* and systematically list up candidate HalluCitation. Then, we manually verify each candidate to identify HalluCitation. Note that, since the actual number of HalluCitation is unknown, our reported results should be interpreted as a lower bound, and additional HalluCitation may exist in the wild.

2.1 Data Collection

In this study, we target all papers presented at a total of six conferences, NAACL, ACL, and EMNLP, held in 2024 and 2025, including main confer-

Year	Venue	Mean	Std.	Q1	Q2	Q3	Total Citations
2024	NAACL	36.33	20.48	21	35	48	56,717
2024	ACL	41.26	24.04	27	39	52	112,262
2024	EMNLP	42.91	23.90	29	40	53	126,744
2025	NAACL	39.33	22.42	25	37	50	75,870
2025	ACL	42.63	25.94	27	40	54	192,245
2025	EMNLP	42.67	27.68	28	39	52	177,818
Overall		41.57	25.03	27	39	52	741,656

Table 2: Number of extracted citations. We report the mean, standard deviation, quartiles (Q1, Q2=median, Q3), and the total number of citations for each venue.

ence papers, Findings papers, and all workshop papers. We collected all PDF files and metadata of archival papers registered as events in the ACL Anthology[2], excluding tutorials and proceedings. Table 1 presents the statistics of the collected PDFs. In total, our dataset covers over 17,000 papers.

2.2 Citation Extraction

Next, we extract citation information from the PDFs. Through pilot studies, we found that a pipeline combining OCR-based extraction of raw bibliographical reference strings with normalization of the corresponding bibliographical references yields the most efficient citation extraction. Accordingly, first, we use MinerU (Wang et al., 2024a) to extract reference entries from the references section at the text-block level. Then, we apply GROBID (GRO, 2008–2025) to parse and normalize each reference entry, obtaining structured bibliographic information such as titles[3]. Table 2 shows the statistics of the extracted citation counts. From these results, we observe that the median number of citations per paper is 39 and that the quartiles remain stable across venues. In total, we extracted over 740,000 citations.

2.3 Candidate Creation

As shown in Table 2, the total number of extracted citations is extremely large, making it impractical to manually inspect all citations. Therefore, we focus on citations that explicitly indicate references to papers from the ACL Anthology or arXiv, and extract a subset of candidate citations by matching them against reference databases.

First, we heuristically narrow down the target citations by checking whether the raw citation strings contain keywords related to ACL conferences or arXiv, such as ACL, EMNLP, or arXiv. Next, we search for corresponding papers primarily using metadata from the ACL Anthology[4] and arXiv[5]. In addition, since this heuristic filtering serves as a coarse screening, citations to papers outside ACL venues or arXiv may still remain. To further filter such cases, we additionally leverage DBLP[6] and OpenAlex (Priem et al., 2022)[7].

For database matching, we employ character-level fuzzy matching on citation titles using a similarity score based on the normalized Levenshtein distance with the `RapidFuzz` library (Bachmann, 2025). Specifically, we compute title similarity as $1 - d_{\text{lev}} / \max(|s_1|, |s_2|)$, where s_1 and s_2 are the character strings being compared, d_{lev} denotes the Levenshtein edit distance (Levenshtein, 1965), and scale it to the range $[0, 1]$. If no title in the reference databases achieves a similarity score of 0.9 or higher, we regard the citation as potentially non-existent and include it in a list of candidates for manual verification.

Year	Venue	#Papers	#Citations	Ave.	Max
2024	NAACL	211 (13.52%)	268 (0.47%)	1.27	6
2024	ACL	381 (14.00%)	476 (0.42%)	1.25	4
2024	EMNLP	443 (15.00%)	556 (0.44%)	1.26	7
2025	NAACL	336 (17.42%)	465 (0.61%)	1.38	10
2025	ACL	796 (17.65%)	1,117 (0.58%)	1.40	17
2025	EMNLP	783 (18.79%)	1,222 (0.69%)	1.56	31
2024		1,035 (14.30%)	1,300 (0.44%)	1.26	7
2025		1,915 (18.06%)	2,804 (0.63%)	1.46	31
Overall		2,950 (16.53%)	4,104 (0.55%)	1.39	31

Table 3: Number of candidate papers and citations. We also report the proportion of candidate papers and citations relative to the total. Ave. denotes the average number of candidate citations per paper, while Max denotes the maximum number of candidate citations observed in a single paper.

Observation. Table 3 shows the statistics of candidate citations and papers. From these results, we

[2] https://aclanthology.org/

[3] Although GROBID can directly extract bibliographic information from PDFs, our pilot studies indicate that its citation extraction is not sufficiently robust for ACL-style reference formats. Specifically, when reference lists span multiple pages, GROBID frequently fails to extract references appearing on subsequent pages, leading to under-coverage. For instance, in some cases, only around 10 citations are extracted from papers that actually contain 50 references. To mitigate this, we explicitly provide reference blocks as input to GROBID.

[4] https://github.com/acl-org/acl-anthology/tree/c9d3481/data

[5] Clement et al. (2019), https://www.kaggle.com/datasets/Cornell-University/arxiv/versions/263

[6] https://drops.dagstuhl.de/entities/artifact/10.4230/dblp.xml.2025-12-01

[7] We use the REST APIs via `PyAlex` (De Bruin, 2023).

observe that both the average number of candidate citations per paper and the maximum number increase over time. In addition to the raw counts of citations and papers, the corresponding percentages also show a consistent upward trend. In particular, when comparing 2024 and 2025, we observe different trends in the proportions of targeted papers and citations. These observations suggest that, although our coarse screening and simple database matching may introduce some noise, the increase in candidate citations exceeds what can be explained by such methodological noise alone. This indicates that factors beyond the limitations of our method are likely contributing to the observed increase, most notably the effect of ***HalluCitation***.

Year	Venue	Main	Findings	S.I.D.	WS	Total
2024	NAACL	$1^{0.18}_{50.0}$	$0^{0.00}_{0.00}$	$0^{0.00}_{0.00}$	$1^{0.16}_{50.0}$	$2^{0.12}_{-}$
2024	ACL	$3^{0.31}_{42.9}$	$1^{0.10}_{14.3}$	$0^{0.00}_{0.00}$	$3^{0.42}_{42.9}$	$7^{0.26}_{-}$
2024	EMNLP	$3^{0.24}_{27.3}$	$4^{0.40}_{36.4}$	$2^{1.16}_{18.2}$	$2^{0.39}_{18.2}$	$11^{0.37}_{-}$
2025	NAACL	$6^{0.84}_{17.1}$	$10^{2.11}_{28.6}$	$2^{1.13}_{5.71}$	$17^{3.04}_{48.6}$	$35^{1.81}_{-}$
2025	ACL	$13^{0.77}_{15.1}$	$20^{1.44}_{23.3}$	$9^{3.74}_{10.5}$	$44^{3.78}_{51.2}$	$86^{1.91}_{-}$
2025	EMNLP	$62^{3.43}_{38.8}$	$49^{3.49}_{30.6}$	$13^{4.83}_{8.13}$	$36^{5.26}_{22.5}$	$160^{3.84}_{-}$
2024		$7^{0.25}_{35.0}$	$5^{0.22}_{25.0}$	$2^{0.57}_{10.0}$	$6^{0.33}_{30.0}$	$20^{0.28}_{-}$
2025		$81^{1.92}_{28.8}$	$79^{2.42}_{28.1}$	$24^{3.40}_{8.54}$	$97^{4.03}_{35.3}$	$281^{2.65}_{-}$
Overall		$88^{1.26}_{29.2}$	$84^{1.52}_{27.9}$	$26^{2.46}_{8.63}$	$103^{2.42}_{34.2}$	$301^{1.69}_{-}$

Table 4: Number of papers including ***"HalluCitation"***. We also report the proportion of papers with HalluCitation relative to the total number of papers, as well as track-specific proportions within each venue. We denote these values as $\mathrm{NUM}^{\text{Venue\%}}_{\text{Track\%}}$. Note that in some venues and tracks with only a small number of papers, the percentages may be sensitive to individual papers. Nevertheless, they remain useful for tracking the trends.

2.4 Manual Verification

Finally, we manually verify all candidate citations identified in Section 2.3 to determine whether each citation refers to an actual existing work. Since our goal is to detect papers that contain HalluCitation, we mark a paper as *"HalluCited"* immediately when at least one HalluCitation is identified and terminate further checks for that paper. We apply this procedure to all 2,950 target papers.

If identifiable information, such as a clickable link, DOI, arXiv ID, page numbers, or venue information, is provided in the citation, we use this information to search for the referenced paper. If such information is missing or insufficient to locate the paper, we conduct a web search using the citation title to find potentially corresponding works. We classify a citation as "HalluCitation" if no corresponding paper can be found, e.g., when a search returns only the target paper itself, or if a similar paper is found but at least two key attributes, such as the title, authors, venue, or page numbers, do not match any reliable source. This verification procedure adopts a conservative criterion that basically trusts the papers, prioritizing precision over recall. Appendix B shows the list of HalluCited papers.

3 Results

Finding 1: The number of HalluCited papers increased sharply in 2025, with EMNLP accounting for over half of these papers. Table 4 reports the number of papers that contain HalluCitation. The results show that the number of hallucinated papers increased from 20 in 2024 to 281 in 2025. In particular, EMNLP 2025 alone accounts for 160 papers, nearly doubling the number observed at ACL 2025. Comparing 2024 and 2025, the number of HalluCited papers increased by more than an order of magnitude. The proportion of HalluCited papers also increased from around 0.28% in 2024 to 2.65% in 2025, reaching 3.84% at EMNLP 2025. Examining venue-specific trends in 2025, we find that while workshop papers account for roughly half of the HalluCited papers at NAACL and ACL, nearly 70% of HalluCited papers at EMNLP 2025 appear in the Main and Findings. A similar pattern is observed in the proportions of HalluCited papers across tracks in 2025. At NAACL, only workshop papers exceed 3%, whereas at ACL, the S.I.D. tracks reach 3%. In contrast, at EMNLP, all tracks exceed 3%. These results suggest that the impact of HalluCited papers is no longer confined to workshops or side tracks, but is increasingly affecting main tracks. This finding indicates that the rapid increase in HalluCited papers is less likely to be attributable to deficiencies in specific tracks and instead highlights emerging limitations in the ability of the current review system to detect HalluCitation, revealing its social impact on sustainability and trustworthiness.

Finding 2: Papers containing multiple HalluCitation candidates are highly likely to contain actual HalluCitation. Table 5 shows the detailed counts of candidate papers and the actually detected HalluCited papers. From these results, we find that when a paper contains around four HalluCi-

	Candidates		HalluCited		Hit Rate (%)	
Freq.	Num.	Cum.	Num.	Cum.	Num.	Cum.
≥9	10	10	10	10	100.0%	100.0%
8	6	16	5	15	83.3%	93.8%
7	14	30	13	28	92.9%	93.3%
6	10	40	7	35	70.0%	87.5%
5	9	49	7	42	77.7%	85.7%
4	28	77	17	59	60.7%	76.6%
3	91	168	38	97	41.8%	57.7%
2	526	694	78	175	14.8%	25.2%
1	2,256	2,950	126	301	5.59%	10.2%

Table 5: Number of candidate papers and detected HalluCited papers. We report the number of papers for each frequency of HalluCitation candidates. Hit Rate denotes the proportion of HalluCited papers within each frequency bin. "Num." indicates the raw count for each bin, and "Cum." represents the cumulative count aggregated from higher frequencies. For papers containing nine or more candidates, all HalluCited papers were successfully detected, and thus, we group them together.

tation candidates, nearly three out of four papers indeed include HalluCitation. This finding indicates that even simple title matching against reference databases can sufficiently detect HalluCitation. In contrast, cases with only a few candidates often include noise introduced by OCR or parsing errors, as well as limitations of simple character-level fuzzy matching. Although these citations may be erroneously flagged due to parsing failures or high thresholds in fuzzy matching, such mismatches rarely occur consecutively. Therefore, when three or four candidates are detected within a single paper, the paper is considered doubtful and recommended for further verification.

Finding 3: Manual detection is challenging because most HalluCited papers contain only a small number of HalluCitations. As shown in Table 5, when a paper contains only one or two HalluCitation candidates, the number of detected papers reaches nearly 200, accounting for around two-thirds of all HalluCited papers. This indicates that, rather than papers containing many HalluCitations, the majority of HalluCited papers contain only a small number of HalluCitations. This also suggests that such HalluCitations are often disguised among otherwise proper citations. At present, only reviewers or readers with strong expertise closely aligned with the cited work may notice these HalluCitations. However, when citations fall outside an area of expertise, manually detecting such hallucinations becomes nearly infeasible within the limited time available, e.g., during the review period. Moreover, we point out that some HalluCitations may not always be introduced intentionally. For instance, authors may obtain citation information from secondary sources such as Google Scholar[8], reference management tools, or LLM-based recommendation systems, where the entries themselves may already contain hallucinations. We discuss this possibility in detail in Section 4.3. These HalluCitations highlight that authors often implicitly trust such citations and do not always verify their factuality. Moreover, because such HalluCitations are often embedded among otherwise proper citations, it is preferable to introduce automated detection systems into the validation process.

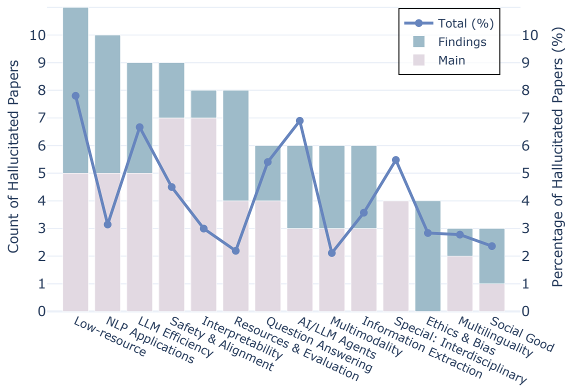


Figure 3: Number and proportion of HalluCited papers by area. We report areas with three or more papers. Area names are abbreviated using the first few words.

4 Further Analysis and Discussions

4.1 Trend Analysis

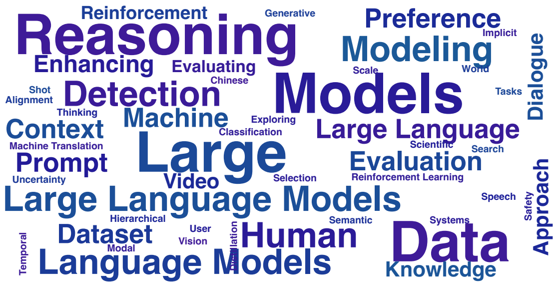
Which areas more frequently include HalluCited papers? To analyze trends in the occurrence of HalluCited papers, we examine the research areas in which such papers are accepted. We focus on EMNLP 2025[9] and analyze the Main and Findings papers by identifying the assigned research areas for each paper. Figure 3 shows the counts and proportions of HalluCited papers by area. For the official area names and the complete list of areas, please refer to the EMNLP 2025 Call for Papers[10]. We found that areas such as

[8] https://scholar.google.com/

[9] [Accessed on Dec. 31st, 2025] Area information is available at https://rrplanning2022-my.sharepoint.com/:x:/g/personal/jrachford_randrplanning_com/IQCJIl5zmNpUSZUv8j8H0z1TAVaIf1rOpMYhjCllLm703RY via https://2025.emnlp.org/program.

[10] https://2025.emnlp.org/calls/main_conference_papers/#submission-topics

(a) High TF-IDF differences in **HalluCited papers**.



(b) High TF-IDF differences in **general papers**.

Figure 4: Word clouds based on TF-IDF differences between HalluCited papers and general papers.

Low-Resource NLP, LLM Efficiency, and AI/LLM Agents exhibit relatively high counts and proportions of HalluCited papers. In contrast, areas including NLP Applications, Interpretability, and Resources and Evaluation show relatively large absolute counts but lower proportions. Notably, several areas with higher proportions of HalluCited papers, including Safety and Alignment in LLMs, AI/LLM Agents, and LLM Efficiency, were newly introduced at EMNLP 2025[11]. This suggests that emerging topics may be difficult to secure qualified reviewers for, which may make rigorous review, such as detecting hallucinations, more challenging.

Which keywords are included in HalluCited papers? To investigate characteristic terms and topics of HalluCited papers, we compute TF-IDF scores (Manning et al., 2008) over paper titles for both general papers and HalluCited papers, focusing on the Main and Findings papers at EMNLP 2025. Next, we compare the two groups by examining terms with large differences in their TF-IDF values. Figure 4 shows word clouds (Mueller, 2023) visualizing terms with high TF-IDF differences for each group. From these results, we observe that HalluCited papers more frequently contain terms related to topics such as "Multimodal", "Decoding", and "Quantization". In contrast, general papers tend to include terms associated with reinforcement learning-related topics, such as "Human", "Reasoning", and "Preference". In addition, HalluCited papers are more likely to use abbreviations such as "LLM" in their titles, whereas general papers more often use the full form, such as "Large Language Model". This suggests that HalluCited papers tend to adopt concise or abbreviated terminology and focus on efficiency-related topics, which is consistent with the results of Figure 3.

	2023		2024*				2025		
Freq.	Oct.	Dec.	Feb.	Apr.	June	Aug.	Feb.	May	July
≧9	0	0	1	0	0	0	2	6	4
8	0	0	0	0	0	0	0	1	0
7	0	0	0	0	0	0	2	3	0
6	0	0	0	0	0	0	2	3	0
5	0	0	2	0	3	0	1	5	1
4	0	0	0	0	0	0	5	6	2
3	2	0	4	1	3	0	13	14	6
2	4	18	37	3	39	3	62	60	17
1	51	87	186	30	226	17	322	237	72
cand.	57	105	230	34	271	20	409	335	102
total	270	659	967	227	922	127	1,349	1,377	371
%	**21.1**	15.9	**23.8**	15.0	**29.4**	15.7	**30.3**	**24.3**	**27.5**
AVERAGE REVIEW LOAD									
meta	3.9	5.0	6.6	2.3	5.3	2.6	6.5	5.4	3.1
review	2.2	2.4	3.7	1.9	3.1	1.8	3.9	3.2	2.5
STATISTICS OF AVAILABLE PREPRINTS									
submit	1,275	2,604	4,835	881	5,813	488	8,350	7,916	1,451
%	21.2	25.3	20.0	25.8	15.9	26.0	16.2	17.4	25.6

Table 6: Number of candidate papers among opted-in preprints in ARR by frequency of HalluCitation candidates. "cand." denotes the number of papers containing at least one HalluCitation candidate, and "total" denotes the number of opted-in anonymous preprints. **Bold** values exceed the average percentage of accepted papers (16.53%) reported in Table 3. Note that Oct. and Dec. 2024 are excluded because they are not publicly available. Dec. 2023 corresponds to NAACL 2024, Feb. 2024 to ACL 2024, June 2024 to EMNLP 2024, Feb. 2025 to ACL 2025, and May 2025 to EMNLP 2025. We also report the average number of assignments per meta-reviewer and reviewer. Underlined values indicate cases exceeding the expected value. We report the total number of submissions and the preprint disclosure rate.

4.2 How about the Peer-Review Process?

Table 6 shows the number of papers containing HalluCitation candidates among opted-in preprints in the ACL Rolling Review (ARR)[12], together with reviewer assignment statistics and the disclosure rate among all submissions. Main and Findings papers are submitted to ARR, and submissions that select the opt-in option are publicly released as preprints.

[11] https://2025.emnlp.org/track-changes/

[12] https://aclrollingreview.org/

In addition, the ARR Statistics Dashboard[13] provides aggregate statistics related to ARR. We leveraged these publicly available resources for our analysis. From Table 6, we observe that for submission iterations linked to conferences since 2024, the proportion of papers containing HalluCitation candidates is high. Nevertheless, when compared with the proportion of accepted papers reported in Table 3, such papers are filtered out to some extent during the peer-review process. We also observe that papers containing HalluCitation candidates are frequently assigned to meta-reviewers, and in some iterations, such as February 2024, they may be assigned at a rate of at least one paper per reviewer. This highlights the social impact of HalluCited papers as a practical and immediate issue for us.

However, since the preprint disclosure rate is around 20%, it remains unclear whether such papers are more likely to opt in or opt out. Therefore, we assumed that these papers are uniformly distributed with respect to disclosure. To facilitate retrospective studies and improve transparency in the peer-review process, greater disclosure of review-related information would be important.

Finally, we note that this analysis does not assess the quality of HalluCited papers. It is possible that some low-quality submissions include HalluCitations, and that the other factors already contribute to screening. Nevertheless, given the observed increase in HalluCited papers among accepted papers at EMNLP 2025, filtering such cases is becoming increasingly challenging even with reviewer effort alone. This also suggests the need to implement automated flagging systems to assist reviewer workloads and maintain rigor and quality.

4.3 Unintentional HalluCitation: Databases Are Often Contaminated

HalluCitations may be introduced unintentionally by authors. One common source of such errors is secondary databases, e.g., Google Scholar and Semantic Scholar[14], which may themselves contain incorrect or incomplete entries. Figure 5 shows several cases illustrating this issue. In Case 1, the paper title is truncated, preventing correct matching with the arXiv database. In Case 2, we confirm that the referenced paper does not exist. There was no corresponding publication by the listed authors at ACL 2024, nor could we find any paper with a similar title, despite the entry being listed in Google Scholar. In Case 3, the citation is associated with an incorrect arXiv ID or is missing an author.

These cases demonstrate that retrieving citation information from secondary sources such as Google Scholar does not guarantee correctness. In particular, as shown in Case 2, entirely hallucinated papers may be registered in such databases, and this citation is in fact referenced by other papers (Zhou, 2025). In Case 3, the incorrect arXiv ID has propagated to hundreds of subsequent citations. These findings suggest that the presence of HalluCitation does not necessarily imply that an AI system generated the citation or that AI tools were used, as erroneous citation entries are frequently observed in these databases. It is plausible that authors man-

Case 1: Cited by Li et al. (2025d)

✗ **Semantic Scholar (Ni and Li, 2024a):**
> Xuanfan Ni and Piji Li. 2024a. A systematic evaluation of large language models for natural. ArXiv, abs/2405.10251. **(Corpus ID: 261341578)**

✓ **arXiv (Formal) (Ni and Li, 2024b):**
> Xuanfan Ni and Piji Li. 2024b. A systematic evaluation of large language models for natural language generation tasks. Preprint, arXiv:2405.10251.

Case 2: Cited by Lee et al. (2025)

✗ **Google Scholar (non-existent reference):**
> Wei Chen, Arjun Kumar, and Lin Yang. 2024. Distraction-based attack prompts: An effective jailbreaking method for llms. Proceedings of the 62nd Annual Meeting of the Association for Computational Linguistics (ACL). **(ID: 10238337808766132122)**

Case 3: Cited by Ji et al. (2025)

✗ **Google Scholar (ID: 3546576102853818527):**
> Alex Ray, Joshua Achiam, and Dario Amodei. 2019. Benchmarking safe exploration in deep reinforcement learning. arXiv preprint arXiv:1910.01708 , 7(1):2.
> ✓ Fujimoto et al. (2019)

✗ **Semantic Scholar (Corpus ID: 208283920):**
> Josh Achiam and Dario Amodei. 2019. Benchmarking safe exploration in deep reinforcement learning. URL: https://d4mucfpksywv.cloudfront.net/safexp-short.pdf. **(Expired Link)**
> ✗ Missing First Author, Alex Ray.

✓ **OpenAI (Official) (Ray et al., 2019):**
> Alex Ray, Josh Achiam, and Dario Amodei. 2019. Benchmarking safe exploration in deep reinforcement learning. URL: https://cdn.openai.com/safexp-short.pdf

Figure 5: Examples of incorrect database entries from Google Scholar and Semantic Scholar. Case 1 shows an incorrect title, Case 2 refers to a non-existent paper, and Case 3 contains inaccurate citation information.

[13] https://stats.aclrollingreview.org/
[14] https://www.semanticscholar.org/

Venue	Main	Findings	S.I.D.	WS	Total
NUMBER OF PAPERS					
AACL 2025	235	147	38	203	623
EACL 2026	446	354	181	441	1,422
NUMBER OF HALLUCITED PAPERS					
AACL 2025	17	14	1	24	56
EACL 2026	19	18	12	35	84
PERCENTAGE OF HALLUCITED PAPERS					
AACL 2025	7.23%	9.52%	2.63%	11.82%	8.99%
EACL 2026	4.26%	5.08%	6.63%	7.94%	5.91%
Overall	5.29%	6.39%	5.94%	4.50%	6.85%

Table 7: Statistics for AACL 2025 and EACL 2026. The notation is the same as in Table 1. Note that the Industry Track was not held at AACL 2025.

ually retrieved citation information from search engines or automatically imported it via reference management tools, such as Paperpile[15], thereby inadvertently incorporating incorrect entries. Furthermore, it is important to address such hallucinations as early as possible. Recent AI-Scientist agents can retrieve citations via APIs from these databases, potentially amplifying the issue and increasing both its scale and complexity over time.

Nevertheless, these cases indicate that authors did not consult the original sources directly and instead relied on secondary sources (Church, 2017). To mitigate this issue, it is necessary to acknowledge that databases are not error-free and to encourage authors to obtain citation information directly from primary sources such as the ACL Anthology or arXiv. Alternatively, the use of citation normalization tools, such as Ribiber[16], may help reduce such errors and should be more widely adopted.

4.4 Afterward: AACL 2025 and EACL 2026

The main analysis of this paper focuses on NAACL, ACL, and EMNLP, as these conferences were held consecutively over a two-year period. Fortunately, within this time window, no other major ACL conferences were held, which simplifies the analysis and helps maintain comparability. After submission to the ARR January cycle, the proceedings of AACL 2025 and EACL 2026 became publicly available. Therefore, we additionally examined these conferences. Table 7 shows the results, and Appendix C provides the list of HalluCited papers.

Unfortunately, the observed trend of HalluCitations continues to increase. Overall, more than 5% of papers contain at least one HalluCitation, suggesting that approximately one in twenty accepted papers includes such issues. In AACL, the proportion is even higher, corresponding to roughly one in eleven papers. This trend aligns with our main discussion and with the results in Table 4, as well as the trends observed in under-review papers shown in Table 6. These results may suggest that the current review process is approaching its practical capacity limits, making it increasingly difficult.

5 Suggestions and Recommendations

Introducing automatic verification systems for author toolkits and review checks. As discussed in Section 4.3, HalluCitations may originate from errors in secondary sources. Therefore, the presence of HalluCitations cannot be directly attributed to the use of LLMs or AI-generated papers alone. However, regardless of their origin, such HalluCitations indicate that authors often fail to carefully verify reference information and do not always consult the original sources. Therefore, we argue that it is necessary to introduce dedicated HalluCitation detection tools, such as ours[17] or existing LLM-based agents[18], and to integrate them into existing toolkits such as ACL pubcheck[19]. By using these automatic verification systems on both the author and organizer sides, authors can receive early warnings before submission, and organizers can automatically scan submissions at scale. This would enable fairer verification, reduce reviewer workload, and improve overall citation reliability.

Definition of HalluCitation and ensuring traceability in the peer-review process. It is important to clearly define what should be considered a HalluCitation, as not all citation errors are equally severe. In this study, we define HalluCitations based on the existence of the cited title and the consistency of key identifiers such as IDs and page numbers. However, minor citation errors have long existed in academic writing (Wang and Barabási, 2021), and inaccuracies may also originate from secondary sources (Besançon et al., 2024), making their causes complex. When only a few HalluCitations are identified, it is often sufficient to request correction. Unlike journals, where editors may correct citation information, conference papers place this responsibility largely on authors. Therefore,

[15] https://paperpile.com/
[16] https://github.com/yuchenlin/rebiber
[17] Our detection tool, HALLUCITECHECKER: https://github.com/yusuke1997/HalluCiteChecker/
[18] https://gptzero.me/news/iclr-2026/
[19] https://github.com/acl-org/aclpubcheck

minor citation errors should not be overly penalized, and providing author toolkits in advance can help prevent many formal mistakes. A more serious issue arises when it is unclear whether such corrections are reflected in the camera-ready version, highlighting the need for traceability in the revision and peer-review process. Improving it would enable verification of corrections and support rapid analyses of emerging issues such as HalluCitations.

Rethinking the purpose of conferences and peer review. What does "peer" review truly mean? We consider reviewers to be hidden co-authors of a paper, whose role is not merely to complete a formal evaluation but to engage in constructive discussion that improves the work. From this perspective, review systems should prioritize sufficient time and manageable workloads that enable meaningful feedback, rather than mechanisms that incentivize rapid review completion under strict time constraints of only a few weeks. Currently, early release through preprints, such as arXiv, and blog posts has become common. Despite the lack of formal verification through peer review, such outputs are already widely cited (Church et al., 2025). At the same time, conference reviewing is often less rigorous than journal peer review. If conferences offer neither the immediacy of preprints nor the rigor of journals, their core purpose should be reconsidered. The growing review burden risks undermining conference credibility and raises concerns about long-term sustainability.

One possible direction is a community-wide transition toward a mega-journal-style model with asynchronous, rigorous peer review, combined with conference venues that focus on presenting accepted work. Such an evolution could provide a more sustainable review process with sufficient time for verification, while still offering meaningful opportunities for authors to present their research. Originally, the ARR system and the Findings track had the potential to fulfill this role. However, ARR cycles became tightly coupled with conferences, and Findings were eventually positioned as a "companion" (Cohn et al., 2020). Now, more than five years after the introduction of ARR and Findings, it may be time to reconsider their roles. One possible redefinition is to treat them as journal-equivalent venues, with conference presentations serving as a form of certification or presentation right for accepted work, similar to TMLR. While this would not fundamentally resolve the growth in submission volume, it would at least help preserve credibility.

No paper is flawless. We argue that the presence of HalluCitations should not be treated as grounds for immediate penalties. As discussed, such errors can arise unintentionally rather than deliberate misconduct by authors. Instead of punitive measures, we emphasize developing author toolkits and pre-submission checks to proactively prevent such issues. It is also worth noting that the HalluCited papers were accepted due to their substantive contributions. Accordingly, authors of HalluCited papers should not be penalized post hoc. Since the ACL Anthology allows erratum revisions, it is important to better encourage voluntary corrections[20]. Acceptance should not be treated as a binary reward or punishment, but rather as part of an ongoing process of improving and communicating research.

Moreover, it is important to reaffirm the collaborative nature of peer review. Conferences exist to share work, not to reward perfection under batch review and strict time constraints (Church, 2005). *No paper is flawless*, and a healthy research community should remain tolerant of minor errors while actively promoting responsible correction. The ACL community has long been sustained by self-improvement mechanisms such as Findings papers and ARR. The NLP community can now take the initiative toward greater sustainability, including new approaches such as AI-assisted and asynchronous review processes.

6 Conclusion

We investigated the presence of HalluCitations in accepted papers at ACL conferences by examining all papers published at ACL, NAACL, and EMNLP in 2024 and 2025. As a result, we identified over 300 HalluCited papers, more than half of which appeared at EMNLP 2025. Moreover, Section 4.4 reveals that over one in twenty accepted papers at AACL 2025 and EACL 2026 contain at least one HalluCitation, highlighting the seriousness of the issue and the need for community discussion.

Will the trend continue to increase at ACL 2026, or will its impact be reduced? How about 2027? Our goal is to reduce the occurrence of HalluCitations through increased awareness. We hope this paper helps bring attention to challenges currently faced by the community, encourages greater care in publication practices, and stimulates active and nuanced discussion within the broader community.

[20] https://aclanthology.org/info/corrections/

7 Limitations

Scope. This study focuses on six recent top-tier NLP conferences. Although the scope could be expanded, we limit our analysis for several reasons. First, the number of HalluCited papers is negligible in earlier years, e.g., only two cases at NAACL 2024, and the trend is monotonically increasing, making more retrospective analysis less informative. Second, our primary focus is on the sharp surge observed in 2025, which motivates us to concentrate on the most recent conferences. Other venues, such as ACL 2026 or the ARR March 2026 cycle, were not publicly available at the time of writing and therefore could not be analyzed, though our findings suggest that a non-trivial number of HalluCitations may also be present there. While extending the analysis to other AI/ML conferences is possible, our goal is to assess the impact within the NLP community specifically. Overall, despite this limited scope, we believe our analysis is sufficiently comprehensive for the intended purpose, and broader investigations, e.g., other conferences and journals, are left for future work.

Analysis. We primarily analyzed accepted papers. First, accepted papers are readily accessible, which makes large-scale analysis feasible. Second, we showed that even accepted papers contain HalluCitations, suggesting that the peer-review process may not always sufficiently verify citation correctness under time constraints and heavy reviewer workloads. From this perspective, analyzing accepted papers is both reasonable and informative. Nevertheless, we also examined publicly available ARR data and conducted a comprehensive investigation within the limits of available disclosures. However, as discussed in Section 4.2, the transparency of the peer-review process remains limited, and a more thorough analysis is currently infeasible due to restricted access to review materials. Moreover, rejected papers are generally not publicly available. Although there have been efforts toward data release[21] (Dycke et al., 2023, 2022), these resources are limited to cases where explicit agreement has been obtained. In addition, the traceability of whether reviewer-requested corrections are reflected in the camera-ready versions remains unclear. We believe academic papers are the outcome of collaborative work between authors and reviewers. Thus, papers also reflect reviewer feedback. From this perspective, review materials, including rejected papers, should be made publicly available (Church et al., 2025; Yang, 2025; Kim et al., 2025d). Such transparency would facilitate analyses of review quality and outcomes.

Methods. We focused on arXiv and the ACL Anthology as solid and well-established data sources. Although extending our analysis to broader domains such as AI, ML, CV, robotics, speech, and journals is an important direction for future work, these domains currently lack a unified and consistently maintained bibliographic infrastructure comparable to that of the ACL community. Since this work focuses on ACL conferences. Despite this restricted scope, we identify nearly 300 HalluCited papers, indicating that our approach is effective. For implementation, we employ MinerU for OCR, although alternative OCR tools (Wei et al., 2025a; Cui et al., 2025a) and additional engineering improvements are possible. These implementation choices are not our primary contribution. Instead, the key contribution of this work is to quantitatively and comprehensively demonstrate the prevalence and impact of HalluCitations. Finally, our methodology prioritizes precision, and the reported results should be interpreted as a lower bound. Additional HalluCitations may exist beyond those detected here. We hope that this study will serve as a baseline and motivate follow-up work that improves detection accuracy and coverage.

Human verification. When hyperlinks were unavailable, we retrieved references using information such as proceedings identifiers, publication year, and title information. We also investigated title change histories and performed web searches for exact matches whenever possible. Most searches were conducted mainly during the first and second weeks of December 2025. Some works may have been released on arXiv or other platforms after the search period (Mohammad, 2025), or may not have been indexed by web search engines (Zhu et al., 2025a). In such cases, traceability was limited at the time of analysis, and they may have been temporarily included in the list. We thank the authors for their clarification. These cases are described as a limitation and have been removed from the list. We also received several inquiries regarding individual cases. In most cases, after providing other HalluCitations, the classification was confirmed and did not require removal. Although we have carefully verified, we welcome further feedback.

[21] https://arr-data.aclweb.org/

Ethical Considerations

Information. In this manuscript, all information reflects the state of publicly available data as of January 4, 2026. Unless explicitly stated otherwise, links, metadata, and dataset contents correspond to what was available at that time. Updates, corrections, or removals after this date may change the information and are not reflected in this study.

Licenses. Our primary data sources are the ACL Anthology and OpenReview, both of which are distributed under the Creative Commons Attribution 4.0 International License. We confirm that all additional datasets, dumps, and metadata used in this study are publicly available and permissively licensed. The code and tools developed in this work are authored by us. Human verification was conducted solely by the authors of this paper. Therefore, no licensing or consent issues arise from human annotation in this study.

Discussion on the protection of personally identifiable information and potential harm. This study analyzes real published papers. Therefore, the author information of HalluCited papers is inherently observable. However, concealing the identities of HalluCited papers would significantly hinder reproducibility. Moreover, the HalluCitations discussed here can already be identified through public search engines and thus constitute existing public information. Moreover, our analysis is comprehensive and systematic and does not target or single out specific individuals. Accordingly, this study is conducted strictly as academic research. Importantly, as explicitly stated in Section 6, we do not attribute HalluCitations to author misconduct, nor do we argue that authors should be penalized. Rather, we highlight limitations of the current review system, particularly the lack of appropriate author toolkits. Accordingly, this analysis and its claims and purpose are not intended to be offensive or accusatory. For transparency and reproducibility, we provide a list of HalluCited papers in Section B. We do not introduce new annotations or subjective judgments. We only verify and list HalluCitations that already exist in the public record. As an additional safeguard, Table 8 in Section B does not directly display author names or paper titles of HalluCited papers. Instead, each HalluCited paper is referenced only via links to the corresponding reference entries, and we show one example HalluCitation per paper. This design balances transparency and reproducibility with the protection of authors. Therefore, our discussion throughout the paper remains neutral and forward-looking, focusing on constructive solutions rather than blame. We have carefully reviewed the ACL Ethics Policy[22] and confirm this research complies with its guidelines.

Tool usage. We used DeepL, ChatGPT, and Grammarly for translation and grammatical improvement. All original content was written by the authors, and the authors take full responsibility for the final manuscript. For experiments, we used an NVIDIA A6000 GPU for OCR processing. Other analyses were conducted using a MacBook Pro, spreadsheets, and Google Chrome for literature searches. Notably, all records related to HalluCitations were managed locally and were not transmitted to any external APIs or services. Accordingly, tool usage and data management were conducted in compliance with ethical considerations.

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[22] https://ethics.aclweb.org/

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He Zhu, Guanhua Chen, and Wenjia Zhang. 2025a. PlanGPT: Enhancing urban planning with a tailored agent framework. In Proceedings of the 63rd Annual Meeting of the Association for Computational Linguistics (Volume 6: Industry Track), pages 764–783, Vienna, Austria. Association for Computational Linguistics.

Kunlun Zhu, Hongyi Du, Zhaochen Hong, Xiaocheng Yang, Shuyi Guo, Zhe Wang, Zhenhailong Wang, Cheng Qian, Xiangru Tang, Heng Ji, and Jiaxuan You. 2025b. MultiAgentBench : Evaluating the collaboration and competition of LLM agents. In Proceedings of the 63rd Annual Meeting of the Association for Computational Linguistics (Volume 1: Long Papers), pages 8580–8622, Vienna, Austria. Association for Computational Linguistics.

Lichao Zhu, Maria Zimina-Poirot, Cristian Valdez, and Stephane Patin. 2025c. Fine-tuning NMT models and LLMs for specialised EN-ES translation using aligned corpora, glossaries, and synthetic data: MULTITAN at WMT25 terminology shared task. In Proceedings of the Tenth Conference on Machine Translation, pages 1284–1291, Suzhou, China. Association for Computational Linguistics.

Runchuan Zhu, Bowen Jiang, Lingrui Mei, Fangkai Yang, Lu Wang, Haoxiang Gao, Fengshuo Bai, Pu Zhao, Qingwei Lin, Saravan Rajmohan, and Dongmei Zhang. 2025d. AdaptFlow: Adaptive workflow optimization via meta-learning. In Findings of the Association for Computational Linguistics: EMNLP 2025, pages 3287–3302, Suzhou, China. Association for Computational Linguistics.

Runchuan Zhu, Zinco Jiang, Jiang Wu, Zhipeng Ma, Jiahe Song, Fengshuo Bai, Dahua Lin, Lijun Wu, and Conghui He. 2025e. GRAIT: Gradient-driven refusal-aware instruction tuning for effective hallucination mitigation. In Findings of the Association for Computational Linguistics: NAACL 2025, pages 4006–4021, Albuquerque, New Mexico. Association for Computational Linguistics.

A More Suggestions

Toward easy verification formats and proper citation practices. HalluCitations are often disguised within the reference section, making perceptual detection by human reviewers costly. Although this study relies on OCR-based parsing and manual verification to identify such cases, parsing is not always perfect. Therefore, we believe that reference sections in ACL style formats could be improved to be more machine-friendly to facilitate automatic verification, e.g., by introducing clearer structural delimiters between citations, more explicit formatting of key fields such as titles, and printing URLs rather than embedding them only as hyperlinks. Moreover, we argue that verifiable identifiers, e.g., clickable links and DOIs, should be mandatory. This would facilitate verification, reduce manual effort, and enable automatic verification.

Eliminating area selection or improving area transparency. As discussed in Section 4.1, the proportion of HalluCited papers varies across research areas, with higher rates in emerging areas. We argue that this discrepancy is partly an artifact of area partitioning. Accordingly, we suggest either moving to a single area or improving transparency by publicly releasing area information for accepted papers. As cross-area research becomes more popular, fixed area selection can lead to reviewer mismatches and reduced review rigor. Given that modern review systems such as OpenReview support automated reviewer matching, explicit area selection may no longer be necessary. Alternatively, since area information is currently disclosed only partially[9], archiving it in resources such as the ACL Anthology would help reduce mismatches and support more effective reviews, including the detection of HalluCitations.

B List of HalluCited Papers

Table 8 shows all identified HalluCited papers and the corresponding evidence, i.e., HalluCitations. For privacy reasons, we present the information in reference format rather than directly displaying the HalluCited paper details. To identify the corresponding paper, please follow the provided link or refer to the reference section.

Note that the reported numbers correspond to the cases identified in our analysis. The actual number may be higher or lower depending on the definition adopted. Nevertheless, it is reasonable to conclude that the number of HalluCited papers exceeds 300. The list has also been updated since the initial preprint version and may be subject to further changes. Due to space limitations, we present only one example per paper, although some papers contain multiple HalluCitations. Therefore, if revisions are planned for the ACL Anthology and other platforms, we recommend carefully rechecking all references.

C List of HalluCited Papers Identified at AACL 2025 and EACL 2026

Table 9 shows all identified HalluCited papers and the corresponding evidence, i.e., HalluCitations, for AACL 2025 and EACL 2026. The remaining details are the same as in Section B.

Table 8: List of hallucinated papers, i.e., HalluCited Papers, and their corresponding HalluCitations.

	Event ID	Paper ID	HalluCited Paper	Example of HalluCitation
1	naacl-2024	2024.naacl-short.63	Scaria et al. (2024)	Himanshu Gupta, Kevin Scaria, Swaroop Mishra, and Chitta Baral. 2024b. Beyond the data bottleneck: Optimizing instruction tuning with difficulty-based exemplar selection. ArXiv preprint.
2	naacl-2024	2024.trustnlp-1.1	Adilazuarda (2024)	Daphne Ippolito, Daniel Duckworth, Chris CallisonBurch, and Douglas Eck. 2020. Discriminating between human-produced and machine-generated text: A survey. arXiv preprint arXiv:2012.03358.
3	acl-2024	2024.acl-long.560	Siska et al. (2024)	Keisuke Sakaguchi, Ronan Le Bras, Chandra Bhagavatula, and Yejin Choi. 2023. An adversarial winograd schema challenge at scale. arXiv preprint arXiv:2305.06300.
4	acl-2024	2024.acl-long.611	Zheng et al. (2024)	Chun-Hung Yeh, Anuradha Welivita, and Pearl Pu Faltings. 2015. A dialogue dataset containing emotional support for people in distress. arXiv preprint arXiv:1503.08895.
5	acl-2024	2024.acl-long.768	Chen et al. (2024)	Mengjie Fang, Linlin Xu, and Pascale Fung. 2020. Unsupervised cross-lingual transfer learning for contextualized word embeddings. In Proceedings of the 2020 Conference on Empirical Methods in Natural Language Processing (EMNLP), pages 2616–2629.
6	acl-2024	2024.arabicnlp-1.24	Khondaker et al. (2024)	Isabel Moreno and Wei Zhang. 2024. Evaluating multilingual models on nlp tasks in arabic. Computational Linguistics, 50(3):425–445.
7	acl-2024	2024.arabicnlp-1.45	Shah et al. (2024)	Naoya Inoue, Pontus Stenetorp, and Kentaro Inui. 2021. Interplay between preferences and machine learning in language model fine-tuning. arXiv preprint arXiv:2110.08413.
8	acl-2024	2024.findings-acl.241	Holt et al. (2024)	Junjie Li, Jieyu Wu, and Richard Socher. 2021. Understanding code-switching in language models. arXiv preprint arXiv:2109.04278.
9	acl-2024	2024.wassa-1.18	Alhamed et al. (2024)	David Benetka, Alicia Moreno-Moral, Lorena RomeroFombuena, and Juan Lopez-Gazpio. 2020. An annotation scheme for mental health discussions in social media. In International Conference on Computational Linguistics (Proceedings of the Conference: Long Papers, 2020), pages 2617–2627. Association for Computational Linguistics.
10	emnlp-2024	2024.conll-1.8	Mundra et al. (2024)	Adam Alabi, Saleha Nawaz, and Vincent Ng. 2022. Alabi: A light-weight approach for multilingual biomedical language models. In Proceedings of the 2022 Conference on Empirical Methods in Natural Language Processing, pages 9717–9727.
11	emnlp-2024	2024.emnlp-demo.11	Sheth et al. (2024)	Stephan Druskat, Ulrike Gut, Nils Reiter, Stefan Schweter, and Manfred Stede. 2014. Atomic: An open-source tool for working with anaphora in multiple languages. In Proceedings of the 2014 Conference on Empirical Methods in Natural Language Processing: System Demonstrations, pages 71–76.

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	EVENT ID	PAPER ID	HALLUCITED PAPER	EXAMPLE OF HALLUCITATION
12	emnlp-2024	2024.emnlp-industry.112	Malik et al. (2024)	Jiajia Liu, Mengyuan Yang, Yankai Yu, Haixia Xu, Kang Li, and Xiaobo Zhou. 2023a. Enhancing customer experience with ai-driven conversational agents. arXiv preprint arXiv:2306.04325.
13	emnlp-2024	2024.emnlp-main.345	Xiao et al. (2024)	Nelson F Liu, Tony Wu, Duane S Boning, and Tanmoy Choudhury. 2020b. AI bug detector: Adversarial input detection for natural language processing models. In Proceedings of the 2020 Conference on Empirical Methods in Natural Language Processing: System Demonstrations, page 187–196.
14	emnlp-2024	2024.emnlp-main.464	Wang et al. (2024b)	Yu Gu, Robert Tinn, Hao Cheng, Youzheng Ben, Zhuozhao Liu, Jingqi Zhou, Michael Wang, Shizhuo Wang, Hongfang Zhou, and Yanshan Shen. 2021. Biomedgpt: A large-scale biomedical generative pretrained transformer for biomedical text mining. arXiv preprint arXiv:2104.07497.
15	emnlp-2024	2024.emnlp-main.617	Wahle et al. (2024)	Michael A. Covington. 2007. Mattr: A new approach to vocabulary range in natural language processing. Computational Linguistics, 33(1):70–73.
16	emnlp-2024	2024.findings-emnlp.232	Zhang et al. (2024)	Yi Chen et al. 2023. Empowering cloud rca with augmented large language models. arXiv preprint arXiv:2311.00000.
17	emnlp-2024	2024.findings-emnlp.813	Li et al. (2024)	Ruochen Wang, Ting Liu, Cho-jui Hsieh, and Boqing Gong. 2023. DPO-DIFF:on Discrete Prompt Optimization for text-to-image DIFFusion modelsgenerating Natural Language Adversarial Examples. Preprint, arXiv:2311.07998.
18	emnlp-2024	2024.findings-emnlp.912	Sonkar et al. (2024)	Yoav Goldberg. 2022. Assessing claims about large language models. arXiv preprint arXiv:2212.09273.
19	emnlp-2024	2024.findings-emnlp.981	Zafar et al. (2024)	Xinyu Wang, Tao Sun, Deqing Zou, Wei Wu, and Jiawei Han. 2021. Logic-guided data augmentation and regularization for consistency learning. arXiv preprint arXiv:2104.04379.
20	emnlp-2024	2024.mrl-1.20	Skianis et al. (2024)	Shaoxiong Ji, Yanzhao Zhang, Leilei Sun, and Jia Wang. 2022. Mentalbert: A pretrained language model for mental healthcare. In Proceedings of the 2022 Conference on Empirical Methods in Natural Language Processing (EMNLP).
21	naacl-2025	2025.americasnlp-1.4	Alvarez C et al. (2025)	Manuel Mager, Arturo Oncevay, Annette Rios, Jamshidbek Mirzakhalov, and Katharina Kann. 2023. The role of computational linguistics in indigenous language revitalization: Challenges and opportunities. In Proceedings of the 1st Workshop on Computation for Indigenous Languages (C3NLP), pages 23–31.
22	naacl-2025	2025.clpsych-1.23	Antony and Schoene (2025)	Ilias Chalkidis, Ion Androutsopoulos, and Nikolaos Aletras. 2022. An empirical study on neural methods for legal judgment prediction. In Proceedings of the 2022 Conference on Empirical Methods in Natural Language Processing, pages 4783–4798. Association for Computational Linguistics.

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	Event ID	Paper ID	HalluCited Paper	Example of HalluCitation
23	naacl-2025	2025.dravidianlangtech-1.117	Noor et al. (2025)	G. Shimi et al. 2024. Language identification for dravidian languages: A crucial step for fake news detection in multilingual settings. TBD.
24	naacl-2025	2025.dravidianlangtech-1.118	Selvamurugan (2025)	Anil Kumar, Ajay Kumar Ojha, Shervin Malmasi, and Marcos Zampieri. 2021. Benchmarking aggression identification in social media for low-resource languages. In Proceedings of the Workshop on Online Abuse and Harms (ACL).
25	naacl-2025	2025.dravidianlangtech-1.38	S et al. (2025a)	Simran Khanuja, Kaustav Dey, El Moatez Billah Karim Nagoudi, et al. 2020. A new dataset and strong baselines for the detection of code-mixed offensive language. In Proceedings of the 2020 Conference on Empirical Methods in Natural Language Processing (EMNLP), pages 1719–1726.
26	naacl-2025	2025.dravidianlangtech-1.43	Chauhan and Kumar (2025)	Douwe Kiela, Mohamed Elhoseiny, Lin Zhang, Marco Baroni, and Geoffrey Hinton. 2019. Supervised multimodal hashing for scalable cross-modal retrieval. In Proceedings of the 2019 Conference on Empirical Methods in Natural Language Processing (EMNLP), pages 1740–1751.
27	naacl-2025	2025.dravidianlangtech-1.61	K et al. (2025)	F. Wu and M. Dredze. 2019. Social media as a sensor of public opinion. Proceedings of the 2019 Conference on Empirical Methods in Natural Language Processing (EMNLP 2019), 2019:1001–1010.
28	naacl-2025	2025.dravidianlangtech-1.62	Vaidyanathan et al. (2025a)	Jiho Park, Jihyung Shin, Sangyoun Lee, and Changhyun Seo. 2018. A survey of hate speech detection: Data, methods, and challenges. In Proceedings of the 27th International Conference on Computational Linguistics (COLING 2018), pages 385–395. International Committee on Computational Linguistics.
29	naacl-2025	2025.dravidianlangtech-1.7	Sathvik et al. (2025b)	M. H. Al-Adhaileh and F. W. Alsaade. 2022. Bidirectional long-short term memory (bilstm) networks for fake review detection: A comparative study. Springer.
30	naacl-2025	2025.dravidianlangtech-1.88	Achamaleh et al. (2025)	Anna Kolesnikova and Sergey Ivanov. 2023. Exploring multilingual text representations with transformer models. Transactions of the ACL, 11:212–230.
31	naacl-2025	2025.dravidianlangtech-1.91	Aftahee et al. (2025)	R. Raja, A. Kumar, and S. Joseph. 2023. Fake news detection in low-resource languages: Challenges and advancements. Computational Linguistics Review, 15(2):123–137.
32	naacl-2025	2025.dravidianlangtech-1.97	Sathvik et al. (2025a)	Simran Khanuja, Sandipan Dandapat, Ritesh Kumar, Sunayana Sitaram, K. P. Soman, and Anup Kumar. 2021. Mahanlp: Towards indic language understanding using bert models for hindi, marathi, and kannada. arXiv preprint arXiv:2106.07469.
33	naacl-2025	2025.findings-naacl.132	Singh et al. (2025)	W. Liu, X. Li, W. Yang, Y. Lin, X. Liu, S. Wang, C. Xie, L. Xu, W. Zhuang, X. Zhao, and L. Li. 2020. Minilm: Deep self-attention distillation for tiny transformers. arXiv preprint arXiv:2002.10957.

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	Event ID	Paper ID	HalluCited Paper	Example of HalluCitation
34	naacl-2025	2025.findings-naacl.223	Zhu et al. (2025e)	Krishnateja Killamsetty and Rishabh Iyer. 2021. Subset selection with gradient matching. arXiv preprint arXiv:2103.00123.
35	naacl-2025	2025.findings-naacl.230	Raihan et al. (2025b)	OpenAI. 2024. Gpt-4 omni: A comprehensive multimodal model for language, vision, and beyond. arXiv preprint arXiv:2408.01234.
36	naacl-2025	2025.findings-naacl.257	Magomere et al. (2025)	Chaitanya Shivade et al. 2019. Mednli-a natural language inference dataset for the clinical domain. In Proceedings of the 2018 Conference on Empirical Methods in Natural Language Processing, Brussels, Belgium. Association for Computational Linguistics, pages 1586–1596.
37	naacl-2025	2025.findings-naacl.275	Song et al. (2025b)	M Honnibal and I Montani. 2017. spacy 2: Natural language understanding with bloom embeddings, convolutional neural networks and incremental parsing. neural machine translation. In Proceedings of the Association for Computational Linguistics (ACL), pages 688–697.
38	naacl-2025	2025.findings-naacl.279	Basher et al. (2025)	Y. Xu et al. 2023. Cross-lingual transfer for lowresource text-to-speech. In Proceedings of the 2023 Conference on Empirical Methods in Natural Language Processing, pages 510–520. Association for Computational Linguistics.
39	naacl-2025	2025.findings-naacl.349	Gupta et al. (2025a)	Zijun Zhang, Yue Wu, Hao Guan, Xinlei Chen, and Yue Zhang. 2023. Continual learning with transformers: Challenges and solutions. arXiv preprint arXiv:2302.13713.
40	naacl-2025	2025.findings-naacl.418	Nguyen et al. (2025b)	Danny Hernandez, Jared Kaplan, Tom Henighan, Tom Brown, Jack Clark, Preetum Nakkiran, Catherine Olsson, and Afshin Rahimi. 2023. Measuring data contamination in large language models. arXiv preprint arXiv:2303.13375.
41	naacl-2025	2025.findings-naacl.452	Wu et al. (2025a)	Abhijit Srivastava, Nathan Major, Jasmine D. Hernandez, and et al. 2022. Beyond the imitation game: Quantifying and extrapolating llm capabilities with big-bench. arXiv preprint arXiv:2206.04615.
42	naacl-2025	2025.findings-naacl.58	Liu et al. (2025c)	Xiang Jiang et al. 2023c. Mistral-7b-instruct-v0.2: An efficient large language model for instruction following. arXiv preprint arXiv:2309.00001.
43	naacl-2025	2025.knowledgenlp-1.18	Spangher et al. (2025a)	Tushar Khot, Ashish Sabharwal, and et al. 2023. Decomposition-driven reasoning in language models. arXiv preprint arXiv:2304.xxxxx.
44	naacl-2025	2025.knowledgenlp-1.20	Pattnayak et al. (2025a)	et al. Zhao, W. 2020. A retrieval-augmented encoder-decoder for knowledge-intensive nlp tasks. In Proceedings of the 58th Annual Meeting of the Association for Computational Linguistics (ACL).
45	naacl-2025	2025.loresmt-1.12	Raja and Vats (2025)	Kalika Bali, Jatin Sharma, Monojit Choudhury, and Yogarshi Vyas. 2014. Code-mixing: A challenge for language identification in the indian context. In Proceedings of the First Workshop on Computational Approaches to Code Switching (EMNLP), pages 13–23.
46	naacl-2025	2025.naacl-demo.39	Hiray and Kovatchev (2025)	T. Lee et al. 2023. Bivdiff: A training-free framework for general-purpose video synthesis. arXiv preprint arXiv:2302.02918.

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	Event ID	Paper ID	HalluCited Paper	Example of HalluCitation
47	naacl-2025	2025.naacl-industry.68	Jararweh et al. (2025)	Haotian Liu, Chunyuan Lin, Fangyun Zeng, and et al. 2023a. Llava: Large language and vision assistant. arXiv preprint arXiv:2304.08485.
48	naacl-2025	2025.naacl-long.182	Chen et al. (2025b)	Ebtesam Almazrouei, Hamza Alobeidli, Abdulaziz Alshamsi, Alessandro Cappelli, Ruxandra Cojocaru, Merouane Debbah, Etienne Goffinet, Daniel Heslow, Julien Launay, Quentin Malartic, et al. 2023. Falcon-40b: an open large language model with stateof-the-art performance. Findings of the Association for Computational Linguistics: ACL, 2023:10755–10773.
49	naacl-2025	2025.naacl-long.363	Qian et al. (2025)	Zhengbao Jiang, Frank F Xu, Jun Araki, and Graham Neubig. 2020. Can prompt-based learning be practical for low-resource tasks? arXiv preprint arXiv:2001.07676.
50	naacl-2025	2025.naacl-long.371	Wysocka et al. (2025)	Jakob Prange, Khalil Mrini, and Noah A. Smith. 2023. Challenges and opportunities in nlp for systematic generalization: Beyond compositionality. In Proceedings of the 61st Annual Meeting of the Association for Computational Linguistics. Association for Computational Linguistics.
51	naacl-2025	2025.naacl-long.620	Chen et al. (2025c)	Jiawei Liu, Yifeng Ding, Naman Jain, Harm de Vries, Leandro von Werra, Arjun Guha, Lingming Zhang, and Yuxiang Wei. 2024a. Starcoder2-instruct: Fully transparent and permissive self-alignment for code generation. Preprint, arXiv:2307.08701.
52	naacl-2025	2025.naacl-long.72	Hu et al. (2025)	Mor Geva, Yoav Goldberg, and Jonathan Berant. 2021. Strategyqa: A question answering benchmark for reasoning about strategies. In Proceedings of the 2021 Conference on Empirical Methods in Natural Language Processing.
53	naacl-2025	2025.naacl-short.79	Kumar et al. (2025)	Sankha Bhattacharjee et al. 2023. Adversarial learning for robust ai-generated text detection. arXiv preprint arXiv:2304.07812.
54	naacl-2025	2025.nlp4dh-1.52	Greschner and Klinger (2025)	Chiara Leoni, Mauro Coccoli, Ilaria Torre, and Gianni Vercelli. 2018. Your paper title here. In Proceedings of the Fifth Italian Conference on Computational Linguistics (CLiC-it 2018), Torino, Italy. Accademia University Press.
55	naacl-2025	2025.wnu-1.10	Li et al. (2025j)	Xingxing Lu, Yuning Mao, and Jason Wei. 2023. Autoeval: Llm-based automatic evaluation framework for text summarization. In Findings of ACL.
56	acl-2025	2025.acl-demo.16	She et al. (2025)	Wenhao Zheng and 1 others. 2025a. Citer: Confidencebased token routing for collaborative inference with large language models. arXiv preprint arXiv:2503.01013.
57	acl-2025	2025.acl-demo.25	Zheng et al. (2025b)	Wei Zhang, Pengfei Liu, and Qiang Shen. 2020. Handling ambiguities in geographic texts using nlp techniques. Transactions in GIS, 24(3):519–538.
58	acl-2025	2025.acl-demo.44	Yang et al. (2025b)	Ziniu Wu, Cheng Liu, Jindong Zhang, Xinyun Li, Yewen Wang, Jimmy Xin, Lianmin Zhang, Eric Xing, Yuxin Lu, and Percy Liang. 2023. Autogen: Enabling next-generation multi-agent communication with language models. arXiv preprint arXiv:2309.07864.

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	Event ID	Paper ID	HalluCited Paper	Example of HalluCitation
59	acl-2025	2025.acl-industry.30	Fu et al. (2025)	Yihan Chen, Dongkuan Zhang, Xiang Wang, Yifan Yang, and Heng Wang. 2023. Dare: ldirect parameter editing for adaptive mode reconfiguration. arXiv preprint arXiv:2310.09570.
60	acl-2025	2025.acl-long.1034	Zhou and Di Eugenio (2025)	Jane Doe and Wei Chen. 2023. Debiasing reasoning in language models: A quantitative study. Proceedings of the 2023 Conference on Empirical Methods in Natural Language Processing.
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153	emnlp-2025	2025.emnlp-industry.182	Yu et al. (2025b)	Haotian Luo, Li Shen, Haiying He, Yibo Wang, Shiwei Liu, Wei Li, Naiqiang Tan, Xiaochun Cao, and Dacheng Tao. 2025. Adaptthink: Llm can learn when to think. https://arxiv.org/abs/2501.12570.
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155	emnlp-2025	2025.emnlp-industry.189	Chawla et al. (2025)	Yifan Liu, Jiaqi Wang, and Zhi Zhang. 2024. Bias in ai investment advice: An analysis of home bias in large language models. arXiv preprint arXiv:2209.04538.

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	Event ID	Paper ID	HalluCited Paper	Example of HalluCitation
156	emnlp-2025	2025.emnlp-industry.69	Azeez et al. (2025)	Juho Kim et al. 2023. Does gpt-4 pass the bar exam? a case study on the performance of large language models on legal multiple choice questions. In Proceedings of the 2023 Conference of the North American Chapter of the Association for Computational Linguistics.
157	emnlp-2025	2025.emnlp-industry.70	Swamy et al. (2025)	Florian Schuster et al. 2023. Getml: Pareto-based feature learning for machine learning applications. arXiv preprint arXiv:XXXX.XXXXX.
158	emnlp-2025	2025.emnlp-industry.8	Bougie and Watanabe (2025)	Anonymous and 1 others. 2023b. Is llm a reliable reviewer? a comprehensive evaluation of llm on reviewrevision multiple-choice questions. ACL Anthology 2024.lrec-main.816.
159	emnlp-2025	2025.emnlp-industry.96	Joshi et al. (2025a)	Siva Reddy, Daniel Khashabi, Benjamin Lo, Chandra Bhagavatula, Maarten Sap, and Yejin Choi. 2023. Do large language models understand instructions? arXiv preprint arXiv:2301.01193.
160	emnlp-2025	2025.emnlp-main.1021	Pi et al. (2025)	Ziyang Xiong et al. 2024. Llava-critic: Visual instruction tuning with feedback. arXiv preprint arXiv:2402.12345.
161	emnlp-2025	2025.emnlp-main.1070	Zhang et al. (2025d)	Yiming Zhang and Zhouhui Lian. 2024a. Brush your text: Enhancing text rendering in diffusion models with attention map interventions. In Proceedings of the 62nd Annual Meeting of the Association for Computational Linguistics (ACL).
162	emnlp-2025	2025.emnlp-main.1097	Zhang and Zhou (2025)	X. Li, P. Wang, and Y. Chen. 2020. Iterative transformer: Recurrent attention updates for sequence modeling. arXiv preprint arXiv:2010.02536.
163	emnlp-2025	2025.emnlp-main.1119	Zhang et al. (2025e)	Chenyan Yu, Lee Xiong, and Jamie Callan. 2022. A survey on conversational dense retrieval: Methods and challenges. arXiv preprint arXiv:2201.08452.
164	emnlp-2025	2025.emnlp-main.1167	Zhang et al. (2025b)	Zhengbao Jiang, Frank F Xu, Jun Araki, and Graham Neubig. 2024. Flare: Active retrieval augmentation for hallucination mitigation. arXiv preprint arXiv:2401.07019.
165	emnlp-2025	2025.emnlp-main.1190	Yi et al. (2025)	Bogdan Gliwa, Iwona Mochol, Michał Biesek, and Aleksander Wawer. 2019. Samsum corpus: A human-annotated dialogue summary dataset. arXiv preprint arXiv:1911.12237.
166	emnlp-2025	2025.emnlp-main.1232	Nyandwi et al. (2025)	Wenxuan Zhang, Da Yin, Zhong Ding, and Radu Soricut. 2023. M3exam: A multilingual, multimodal exam-style qa benchmark. arXiv preprint arXiv:2306.05179.
167	emnlp-2025	2025.emnlp-main.1235	Rafiei Asl et al. (2025)	Mark Russinovich, Jingwen Cai, Yifan Hou, Yuxiao Jiang, Yiping Jiang, Jieyu Kang, Prithviraj Kang, Urvashi Khandelwal, Nitish Khurana, Pang Wei Koh, et al. 2024. Crescendo: Towards realistic redteaming of llms with language agents. arXiv preprint arXiv:2402.13249.
168	emnlp-2025	2025.emnlp-main.1337	Dumitru et al. (2025)	Jia Chen and Hao Xu. 2023. Parallel decoding with speculative sampling for large language models. arXiv preprint arXiv:2306.15478.

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	Event ID	Paper ID	HalluCited Paper	Example of HalluCitation
169	emnlp-2025	2025.emnlp-main.1345	Park et al. (2025)	Rodrigo Nogueira and Jimmy Lin. 2019. From doc2query to docttttquery. arXiv preprint arXiv:1904.08375.
170	emnlp-2025	2025.emnlp-main.138	Li et al. (2025b)	Weixi Tong and Tianyi Zhang. 2024. Codejudge: Evaluating code generation with large language models. In Proceedings of the 2024 Conference on Empirical Methods in Natural Language Processing, pages 20032–20051.
171	emnlp-2025	2025.emnlp-main.1429	Bohdal et al. (2025)	Aliaksei Severyn, Eric Emil Malmi, Jonathan Stephen Mallinson, Sascha Rothe, and Sebastian Krause. 2021. Grammatical error correction using large multilingual language models. In ACL.
172	emnlp-2025	2025.emnlp-main.145	Borah et al. (2025)	Junnan Li, Ziqing Wang, Yilun Xu, et al. 2024. Alignment Degradation in LLMs: Measuring, Visualizing, and Mitigating Latent Drift. arXiv preprint arXiv:2401.04200.
173	emnlp-2025	2025.emnlp-main.1455	Kryklyvets et al. (2025)	S. Thoppilan and et al. 2023. Gemini: A unified multimodal large language model. arXiv preprint arXiv:2303.06601.
174	emnlp-2025	2025.emnlp-main.1457	Srivastava (2025)	Wei Xu, Yulia Tsvetkov, and Alan Black. 2022. AI for language learning: Conversational agents and personalized feedback. Transactions of the Association for Computational Linguistics (TACL), 10:1–15.
175	emnlp-2025	2025.emnlp-main.1466	Roh et al. (2025)	Amanpreet Singh, Yujia Wang, Yulia Tsvetkov, and Percy Liang. 2024. Global-mmlu: Evaluating cultural and linguistic biases in multilingual language understanding. arXiv preprint arXiv:2412.03304.
176	emnlp-2025	2025.emnlp-main.1521	Gallifant et al. (2025)	Trenton Bricken, Jonathan Marcus, Siddharth MishraSharma, Meg Tong, Ethan Perez, Mrinank Sharma, Kelley Rivoire, and Thomas Henighan. 2023. Towards monosemanticity: Decomposing language models with dictionary learning. ArXiv, abs/2309.08600.
177	emnlp-2025	2025.emnlp-main.1538	Jin et al. (2025)	Liang Liu, Marc Brockschmidt, Vivek Murali, and et al. 2024. The meta llm compiler: A suite of opensource models for code optimization. arXiv preprint arXiv:2407.02524.
178	emnlp-2025	2025.emnlp-main.1556	Dhanraj and Eliasmith (2025)	Jianfeng Wang, Fei Huang, and 1 others. 2023. Efficient fine-tuning of large language models with lora. arXiv preprint arXiv:2303.01234.
179	emnlp-2025	2025.emnlp-main.1558	Song et al. (2025a)	Mor Geva, Tal Schuster, Jonathan Berant, and Omer Levy. 2023. Token recycling: Making llms faster and more data-efficient. arXiv preprint arXiv:2310.02548.
180	emnlp-2025	2025.emnlp-main.1582	Liu et al. (2025e)	Sabine Ploux and Hong Ji. 2003. Semantic spaces: Modeling the distribution of word senses with unsupervised learning techniques. Computational Linguistics, 29(2):259–275.
181	emnlp-2025	2025.emnlp-main.1611	Yuan et al. (2025b)	Laura A Banarescu, Claire Bonial, Sheila Condon, Emily Faries, Jon Niekrasz, and Tim O' Connor. 2018. Amr for multi-document summarization. In Proceedings of the 56th Annual Meeting of the Association for Computational Linguistics (Volume 2: Short Papers), pages 577–583.

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182	emnlp-2025	2025.emnlp-main.1629	Sadia et al. (2025)	Srivatsan Sundar, Dhruv Jain, Yuwei Zhang, and H. V. Jagadish. 2024. gtbls: Generating tables from text by learning table structures. In Proceedings of the 2024 Conference of the Association for Computational Linguistics.
183	emnlp-2025	2025.emnlp-main.164	Xiao et al. (2025)	Kai Jiang, Hao Liu, and Rodney Brooks. 2022. Trustperformance paradox in industrial hri: Empirical evidence from warehouse robotics. arXiv preprint arXiv:2208.14637.
184	emnlp-2025	2025.emnlp-main.1641	Kassem et al. (2025)	Baolin Peng and 1 others. 2024. Efficient model editing at scale. arXiv preprint arXiv:2401.05911.
185	emnlp-2025	2025.emnlp-main.1648	Mohammadi et al. (2025)	Jerry Lin, Roy Fox, Isa Dalai, Aditya Kusupati, Sewon Min, Luke Zettlemoyer, Hannaneh Hajishirzi, Jon Shlens, Sham Kakade, and Hossein Adeli. 2024. In-context learning creates task vectors. arXiv preprint arXiv:2402.16509.
186	emnlp-2025	2025.emnlp-main.1777	Gao et al. (2025)	Jack FitzGerald, Ryan Cotterell, Bahadir Avci, Sebastian Ruder, Graham Neubig, Melvin Johnson, and Orhan Firat. 2022. Massive: A 51-language multilingual dataset for task oriented semantic parsing. arXiv preprint arXiv:2204.08582.
187	emnlp-2025	2025.emnlp-main.1806	He et al. (2025b)	A. Kirstain and 1 others. 2023. Pick-a-pic: A dataset for evaluating the robustness of vision-language models. Preprint, arXiv:2305.01569.
188	emnlp-2025	2025.emnlp-main.192	Liu et al. (2025d)	Rishi Taori et al. 2023. Alpaca: A 175b-parameter model for instruction following. ArXiv preprint arXiv:2303.11366.
189	emnlp-2025	2025.emnlp-main.207	He et al. (2025a)	Shuang Chen, Yang Liu, and Erik Cambria. 2023. Knowledge-enhanced aspect-based sentiment analysis with external commonsense graphs. In Proceedings of the 61st Annual Meeting of the Association for Computational Linguistics (ACL 2023), pages 13567–13579. Association for Computational Linguistics.
190	emnlp-2025	2025.emnlp-main.319	Li et al. (2025f)	Kevin Lin, Ben Tan, Swabha Swayamdipta, Noah A. Smith, and Yejin Choi. 2019b. Ropes: Reading comprehension over paragraphs. In Proceedings of the 2019 Conference on Empirical Methods in Natural Language Processing and the 9th International Joint Conference on Natural Language Processing (EMNLP-IJCNLP).
191	emnlp-2025	2025.emnlp-main.348	Khandelwal et al. (2025)	Alex Mallen, Zexuan Zhang, Xinyu Liu, Yichong Wu, Yiming Zhang, and William Yang Wang. 2023b. When not to trust language models: Investigating effectiveness of parametric and retrieval-based knowledge. In Proceedings of the 61st Annual Meeting of the Association for Computational Linguistics (Volume 1: Long Papers), pages 1234–1245.
192	emnlp-2025	2025.emnlp-main.394	Xu et al. (2025c)	Todor Mihaylov and 1 others. 2018. Openbookqa: Factual knowledge assessment in question answering. EMNLP.
193	emnlp-2025	2025.emnlp-main.397	Zheng et al. (2025a)	Aurko Roy, Mohammad Saffar, Ashish Vaswani, and David Grangier. 2021b. Efficient routing transformers: Dynamic token interaction models for natural language processing. arXiv preprint arXiv:2003.05997.

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194	emnlp-2025	2025.emnlp-main.468	Tang et al. (2025b)	Justin Fu, Kelvin Zhang, Utkarsh Sanyal, Lantao Yu, Collin Moses, Fan Yang, Stefano Ermon, and Zhibin Zhao. 2023. Driving with reasoning: Reinforcement learning with generalist language models for interpretable policies. arXiv preprint arXiv:2303.00745.
195	emnlp-2025	2025.emnlp-main.482	Tanjim et al. (2025)	Meta AI. 2024. Llama 3.2: Advancing open-weight language models. ArXiv preprint arXiv:2408.00001.
196	emnlp-2025	2025.emnlp-main.500	Wang et al. (2025g)	Michael Chen, Jan Tworek, Heewoo Jun, Qingqing Yuan, Tom Jacobsen, Tijana Radulovic, Jungo Kasai, Guy Ephrath, and Nando De Freitas. 2020. Just ask for general knowledge: Training universal retrieval models for open-domain question answering. arXiv preprint arXiv:2008.03886.
197	emnlp-2025	2025.emnlp-main.501	Wang et al. (2025f)	Xinyu Fan, Li Zheng, Bing Yu, Yifan Liu, Yichi Zhang, Yu Zhang, Hao Tang, Yikai Wang, Weinan Chen, Yizhou Wang, and 1 others. 2023. Urban identityaware geo-reasoning in street views. arXiv preprint arXiv:2311.16456.
198	emnlp-2025	2025.emnlp-main.524	Saba and Skiena (2025)	Markus Freitag, Yaser Al-Onaizan, Shuo Sun Ma, and 1 others. 2022a. High-quality low-resource machine translation: A new benchmark. In Findings of EMNLP.
199	emnlp-2025	2025.emnlp-main.527	Yu et al. (2025a)	Wei Zhang, Ming Li, Hao Wang, and Yang Liu. 2024b. Deepseekmath: Scalable math pre-training and group relative policy optimization for mathematical reasoning. arXiv preprint arXiv:2402.03300.
200	emnlp-2025	2025.emnlp-main.528	Chen et al. (2025f)	Salah Lhoussaine, Georgios Tziantzioulis, Michael B. Sullivan, Vilas Sridharan, Nathan DeBardeleben, Christian Engelmann, and Simranjit Singh. 2024. A first look at bfloat16 soft-error resilience in large language models. Preprint, arXiv:2412.07192.
201	emnlp-2025	2025.emnlp-main.548	Wang et al. (2025a)	Harsha Nori, Allison Webster, Matthew McInnis, et al. 2023b. Medprompt: Large language models are reasoning engines with structured prompts. Preprint, arXiv:2307.13880.
202	emnlp-2025	2025.emnlp-main.562	Shihab et al. (2025)	Szymon Tworkowski, Konrad Przybysz, Tomasz Korbak, Pedro Rodriguez, Wojciech Rozemłyn, Kamil Rakowski, Maciej Grzelak, Albert Webson, Maciej Szafraniec, Robin Sorsch, and 1 others. 2024. Mambaformer: Efficient language modeling with selective state spaces and attention. arXiv preprint arXiv:2312.00752.
203	emnlp-2025	2025.emnlp-main.584	Wang et al. (2025d)	DeepSeek. 2025. Deepseek r1: Towards deep reinforcement learning for language models. arXiv preprint arXiv:2501.12948.
204	emnlp-2025	2025.emnlp-main.614	Lv et al. (2025)	Yifan Xu, Xiaoyu Liu, Baolin Peng, and et al. 2024. Evaluating the instruction-following robustness of large language models. In Proceedings of EMNLP 2024.
205	emnlp-2025	2025.emnlp-main.619	Tian et al. (2025)	Jing Qian and et al. 2018. Neural network-based fake news detection: Learning to identify deceptive content. Proceedings of the 56th Annual Meeting of the Association for Computational Linguistics.

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206	emnlp-2025	2025.emnlp-main.637	Kang et al. (2025)	Hang Yu, Tianle Li, and et al. 2025. Dapo: Data-aware policy optimization for open-source llm alignment. arXiv preprint arXiv:2503.04111.
207	emnlp-2025	2025.emnlp-main.789	Kim et al. (2025a)	Mor Geva, Daniel Khashabi, Elad Segal, Jonathan Berant, and Ido Dagan. 2021. Aristotle: A dataset for focused logical reasoning. In Findings of the Association for Computational Linguistics: EMNLP 2021, pages 1–14, Punta Cana, Dominican Republic. Association for Computational Linguistics.
208	emnlp-2025	2025.emnlp-main.807	Vejendla (2025b)	Zexuan Chen, Zihui Li, Xuan Zhao, A-Long Zhou, Lichao Yu, Wei Zhang, and Ming Zhou. 2023. PRMoE: Post-routing mixture of experts. In Proceedings of the 61st Annual Meeting of the Association for Computational Linguistics (Volume 1: Long Papers).
209	emnlp-2025	2025.emnlp-main.813	Zhang et al. (2025f)	Mark Finlayson and 1 others. 2023. Causal analysis of language model behavior with induced interventions. arXiv preprint arXiv:2301.12928.
210	emnlp-2025	2025.emnlp-main.830	Liu et al. (2025a)	Yixin Nie, Jing Wang, Mohit Bansal, and Kai-Wei Chang. 2020. Adversarial natural language inference. In Proceedings of ACL.
211	emnlp-2025	2025.emnlp-main.831	Liu et al. (2025b)	Paola Espinosa, Sarah Kadi, Stefanie Kamps, and et al. 2017. Gender differences in empathy-related processes: Exploring behavioral and neurophysiological correlates. Psychoneuroendocrinology, 85:34–43.
212	emnlp-2025	2025.emnlp-main.835	Luo et al. (2025a)	Xuezhe Li and Xiaodan Sun. 2020. Dice loss for dataimbalanced nlp tasks: Application to named entity recognition. In Proceedings of the 58th Annual Meeting of the Association for Computational Linguistics, pages 4653–4661.
213	emnlp-2025	2025.emnlp-main.841	Rivlin-Angert and Mor-Lan (2025)	David Hebron, Avi Shmidman, and Moshe Koppel. 2023. Hero: A hebrew roberta model for hebrew nlp tasks. Preprint, arXiv:2309.12345.
214	emnlp-2025	2025.emnlp-main.848	Nafee et al. (2025)	Linyong Lu, Qingxiu Zhang, Xiang Li, and Jingjing Liu. 2022. Promptpg: Prompting for policy gradient training. In Proceedings of the 2022 Conference on Empirical Methods in Natural Language Processing (EMNLP).
215	emnlp-2025	2025.emnlp-main.853	Mundada et al. (2025)	Lukasz Czajka, Malihe Alikhani, Patrick Verga, and Yonatan Belinkov. 2024b. Musictheory-bench. ArXiv preprint arXiv:2410.02084.
216	emnlp-2025	2025.emnlp-main.855	Jiang et al. (2025)	Victor Zhong, Chandra Bhagavatula, Ronan Le Bras, Yejin Choi, and Noah A Smith. 2022. Analytical reasoning of text: Unifying machine reading and logical reasoning. In Findings of the Association for Computational Linguistics: NAACL 2022, pages 2307–2323.
217	emnlp-2025	2025.emnlp-main.858	Trifan et al. (2025)	Liang Pan, Lei Zhang, and Zhenzhong Yang. 2023. Can chatgpt do zero-shot dialogue state tracking? In arXiv preprint arXiv:2302.01180.
218	emnlp-2025	2025.emnlp-main.880	Wang et al. (2025c)	Weijie Chen, Yizhe Zhang, Qian Wu, and 1 others. 2024. Internvl: Scaling up vision-language pretraining with multimodal reinforcement learning. arXiv preprint arXiv:2402.00028.

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219	emnlp-2025	2025.emnlp-main.938	Chen et al. (2025a)	Xiaoxi Zhong et al. 2023. Agentverse: Facilitating multi-agent collaboration and exploration with llms. arXiv preprint arXiv:2309.07864.
220	emnlp-2025	2025.emnlp-main.952	Zhou et al. (2025b)	Shengding Hu, Yuge Tu, Xu Han, Chaoqun He, Ganqu Cui, Xiang Long, Zhi Zheng, Yewei Fang, Yuxiang Huang, Weilin Zhao, and 1 others. 2024. Minicpm: Unveiling the potential of small language models with warmup-stable-decay learning rate scheduler. arXiv preprint arXiv:2404.06395.
221	emnlp-2025	2025.emnlp-main.986	Bhendawade et al. (2025)	Yi Tay, Dara Bahri, Donald Metzler, et al. 2022. Scale efficiently: Insights from training and scaling large language models. arXiv preprint arXiv:2210.03863.
222	emnlp-2025	2025.findings-emnlp.1052	Kim et al. (2025c)	H. Yang and K. Li. 2023. Boostaug: Hybrid instance filtering framework for boosting text augmentation. In Findings of the Association for Computational Linguistics: ACL 2023.
223	emnlp-2025	2025.findings-emnlp.1074	Aastik et al. (2025)	Xianzhi Li, Zihang Dai, and 1 others. 2022. Branchtuning: Efficient fine-tuning of pre-trained vision models via branching. arXiv preprint arXiv:2202.06924.
224	emnlp-2025	2025.findings-emnlp.1082	Maskey et al. (2025)	Rodrigo Gomez et al. 2018. Ciphergan: Unsupervised cipher cracking using gans. arXiv preprint arXiv:1801.04883.
225	emnlp-2025	2025.findings-emnlp.1100	Yang et al. (2025a)	Mo Yu, Yisi Sang, Kangsheng Pu, Zekai Wei, Han Wang, Jing Li, and Jie Zhou. 2022. Character understanding in movies: A benchmark for movie character analysis. arXiv preprint arXiv:2211.04684.
226	emnlp-2025	2025.findings-emnlp.1118	Wang et al. (2025b)	Zhen Chiang, Noah Shinn, Siyuan Zhuang, and 1 others. 2023. Vicuna: An open-source chatbot impressing gpt-4 with 90%* chatgpt quality. Preprint, arXiv:2304.05335.
227	emnlp-2025	2025.findings-emnlp.1137	Elgaar and Amiri (2025)	Xiaofei Lu. 2020. Automatic analysis of syntactic complexity in second language writing. ArXiv preprint, abs/2005.02013.
228	emnlp-2025	2025.findings-emnlp.1144	Bn et al. (2025)	Suyeon Lee, Sunghwan Kim, et al. 2024b. Counselingeval: Towards evaluating the quality of llmbased psychological counseling. In Proceedings of the 62nd Annual Meeting of the Association for Computational Linguistics (ACL).
229	emnlp-2025	2025.findings-emnlp.118	Zeng et al. (2025)	X. Du et al. 2022a. Grit1: A grammar error correction dataset for llm evaluation. In Proceedings of EMNLP 2022. X. Du et al. 2022b. Grit2: Extending grammar error correction for multilingual llms. In Findings of EMNLP 2022.
230	emnlp-2025	2025.findings-emnlp.1196	Zheng et al. (2025c)	OpenAI. 2023a. Gpt-4: Openai’ s generative pre-trained transformer 4 model. Preprint, arXiv:arXiv:2301.00000.
231	emnlp-2025	2025.findings-emnlp.1286	Kim et al. (2025f)	Baptiste Roziere, Gautier Izacard, Jan Leike Botha, and Others. 2023. Code LLaMA: Large language models for code. Preprint, arXiv:2308.08545.

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	EVENT ID	PAPER ID	HALLUCITED PAPER	EXAMPLE OF HALLUCITATION
232	emnlp-2025	2025.findings-emnlp.1343	Saeed et al. (2025)	Damai Bi, Kunhao Lv, Xiang Ji, Yining Wang, Zecheng Lyu, Zihan Du, et al. 2024. Deepseek: Advancing ai through enhanced language models. arXiv preprint arXiv:2401.14196.
233	emnlp-2025	2025.findings-emnlp.1344	Kwak et al. (2025)	Aditya Maharana and 1 others. 2024. Locomo: Long context modeling benchmark for conversational agents. arXiv preprint arXiv:2402.13968.
234	emnlp-2025	2025.findings-emnlp.1359	Akra et al. (2025)	Ling Chen, Ming Zhao, and 1 others. 2024. Efficient active learning for biomedical image segmentation with minimal annotations. arXiv preprint arXiv:2405.01701.
235	emnlp-2025	2025.findings-emnlp.1384	Ji and Lu (2025)	Yiming Li, Xia Chen, Liang Zhou, and Zheng Wang. 2024b. Hindsight: Selective reflection for robust reasoning. arXiv preprint arXiv:2406.12050.
236	emnlp-2025	2025.findings-emnlp.175	Zhu et al. (2025d)	Yujia Hong, Junyang Wu, Fan Zhang, and Shuo Zhang. 2024b. Adaptive agents with code and memory for solving math word problems. arXiv preprint arXiv:2403.01290.
237	emnlp-2025	2025.findings-emnlp.176	Saad-Falcon et al. (2025)	Dahyun Koo, Yejin Choi, and Eunsol Choi. 2023. Cognitive Biases in Large Language Models as Evaluators. ArXiv Preprint arXiv:2312.05441.
238	emnlp-2025	2025.findings-emnlp.212	Rafiuddin and Khan (2025b)	Tim Dettmers, Yannic Kilcher, Henry Minsky, Anna McDowell, Neha Nangia, Andreas Vlachos, and the Microsoft Phi Team. 2025. Phi-4-mini: Compact yet powerful multimodal models. arXiv preprint arXiv:2503.01743.
239	emnlp-2025	2025.findings-emnlp.281	Zhang et al. (2025c)	Yinlin Liu, Pengcheng Yin, and Graham Neubig. 2019. Conala: The code/natural language challenge. In Proceedings of the 2019 Conference on Empirical Methods in Natural Language Processing (EMNLP).
240	emnlp-2025	2025.findings-emnlp.322	Sheng et al. (2025)	Tianxiang Sun, Xiaotian Zhang, Zhengfu He, Peng Li, Qinyuan Cheng, Hang Yan, Xiangyang Liu, Yunfan Shao, Qiong Tang, Xingjian Zhao, et al. 2023. Moss: Training conversational language models from synthetic data. arXiv preprint arXiv:2307.15020, 7:3.
241	emnlp-2025	2025.findings-emnlp.331	Fan et al. (2025)	Yuyang Huang and Clark Glymour. 2016. A survey of causal discovery and causal inference. arXiv preprint.
242	emnlp-2025	2025.findings-emnlp.354	LeVi et al. (2025)	Q. Zhang and 1 others. 2025. Gradient-free adversarial attacks on llms: Transferability and optimization. arXiv:2502.01567v1 [cs.CL]. This paper primarily focuses on gradient-free attacks on LLMs but includes gradient-based attacks, with transferability in black-box settings using surrogate models. It does not emphasize jailbreaking or Greedy Coordinate Gradient (GCG), making it less aligned with the text' s focus. Wang et al. (2025, arXiv:2503.02219v1 [cs.CL]) on gradient-based jailbreaking with GCG is a more precise alternative.

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	Event ID	Paper ID	HalluCited Paper	Example of HalluCitation
243	emnlp-2025	2025.findings-emnlp.379	Li et al. (2025i)	Yinhan Tang, Xavier Garcia, Alessandro Raganato, Vishrav Chaudhary, and Jiatao Gu. 2022. An efficient multilingual byte-to-byte model for sequenceto-sequence tasks. In Findings of the Association for Computational Linguistics: EMNLP 2022.
244	emnlp-2025	2025.findings-emnlp.388	Chakraborty et al. (2025)	Pengfei Liu, Weizhe Yuan, Jinlan Fu, et al. 2021. Pretrain prompt tune: Towards generalizing to unseen tasks. In Proceedings of ACL-IJCNLP.
245	emnlp-2025	2025.findings-emnlp.391	Luo et al. (2025b)	Wenbin Xiong, Zhan Liu, Yihan Yang, Ge Yu, Ge Zhang, and Tian Song. 2023. A survey on hyperrelational knowledge graphs: From data models to applications. arXiv preprint arXiv:2301.03869.
246	emnlp-2025	2025.findings-emnlp.435	Nguyen et al. (2025a)	Yi Cheng, Yilun Wu, Adrian Weller, Matt J. Kusner, and Pushmeet Kohli. 2024. Integrative decoding: Improving factuality in large language model generation via implicit self-consistency. In International Conference on Learning Representations.
247	emnlp-2025	2025.findings-emnlp.437	Cai et al. (2025)	Wenhui Wang, Li Dong, Hao Cheng, Furu Wei, and Ming Zhou. 2022. Minilmv2: Multi-task pre-training for multi-task all-purpose text representations. In Findings of the Association for Computational Linguistics: ACL 2022, pages 2907–2918.
248	emnlp-2025	2025.findings-emnlp.474	Ghosh et al. (2025)	Yankai Lin, Jiapeng Zhou, Yiming Shen, Wenxuan Zhou, Zhiyuan Liu, Peng Li, Maosong Sun, and Jie Zhou. 2021. Xcsqa: A benchmark for cross-lingual conversational question answering. In EMNLP.
249	emnlp-2025	2025.findings-emnlp.517	Baali et al. (2025)	Jue Gao, Tri M Dang, Michael L Seltzer, and Rif A Saurous. 2022. Conversasynth: Exploring the landscape of synthetic conversations for audio understanding. In Proceedings of the 60th Annual Meeting of the Association for Computational Linguistics (Volume 1: Long Papers), pages 6543–6558.
250	emnlp-2025	2025.findings-emnlp.523	Mor-Lan et al. (2025)	David Hebron, Avi Shmidman, and Moshe Koppel. 2023. Hero: A hebrew roberta model for hebrew nlp tasks. Preprint, arXiv:2309.12345.
251	emnlp-2025	2025.findings-emnlp.534	Liu and Roth (2025)	Ellie Pavlick and Joel Tetreault. 2016. Semantically motivated future directions in linguistic ambiguity detection. In Proceedings of the Annual Meeting of the Association for Computational Linguistics (ACL).
252	emnlp-2025	2025.findings-emnlp.645	Zhou et al. (2025d)	Sho Kurita, Jonas Pfeiffer, Ivan Vulic, Edoardo Ponti, ´ and Anna Korhonen. 2020. A weighted approach to unsupervised multilingual transformer fine-tuning. In Proc. of AACL-IJCNLP.
253	emnlp-2025	2025.findings-emnlp.657	Bhattacharya et al. (2025)	Yifei Li, Zhou Zhao, Xiaohan Yu, and Deng Cai. 2023. Multimodal uncertainty estimation for deep learning models. arXiv preprint arXiv:2304.02637.
254	emnlp-2025	2025.findings-emnlp.709	Zhang et al. (2025a)	E. Zaken, Y. Goldberg, and S. Ravfogel. 2022. Bitfit: Simple parameter-efficient fine-tuning for transformers. Transactions of the Association for Computational Linguistics (TACL), 10:1–16.

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	EVENT ID	PAPER ID	HALLUCITED PAPER	EXAMPLE OF HALLUCITATION
255	emnlp-2025	2025.findings-emnlp.751	Xiang et al. (2025)	VN Ioannidis, X Song, S Manchanda, M Li, X Pan, D Zheng, X Ning, X Zeng, and G Karypis. 2022. Drkg-drug repurposing knowledge graph for covid19. 2020. arXiv preprint arXiv:2010.09600, pages 1–13.
256	emnlp-2025	2025.findings-emnlp.834	Jalori et al. (2025)	Wendi Zhou, Xiao Li, Lin Geng Foo, Yitan Wang, Harold Soh, Caiming Xiong, and Yoonkey Kim. 2024. TEMPO: Temporal representation prompting for large language models in time-series forecasting. arXiv preprint arXiv:2405.18384. Anticipated for NeurIPS 2024. Preprint, arXiv:2405.18384.
257	emnlp-2025	2025.findings-emnlp.858	Ge et al. (2025)	Tianrui Han, Ruisheng Zhang, and Siyu Li. 2024. Analyzing and mitigating object hallucination in large vision-language models from perspective of training data bias. arXiv preprint arXiv:2402.16011.
258	emnlp-2025	2025.findings-emnlp.863	Kellert et al. (2025)	Shruti Rijhwani, Lawrence Wolf-Sonkin, Victor Kuperman, Timothy Baldwin, and Thamar Solorio. 2017. Analyzing code-switched social media text. In Proceedings of the 2017 Conference on Empirical Methods in Natural Language Processing.
259	emnlp-2025	2025.findings-emnlp.864	Jia et al. (2025b)	Jiawei Chen, Yuanhang He, Yada Zhang, Jiachen Ji, and Jie Tang. 2024. Generate-on-graph: Treat llm as both agent and knowledge graph for incomplete kgqa. arXiv preprint arXiv:2404.14741.
260	emnlp-2025	2025.findings-emnlp.866	Li et al. (2025a)	Eric Mitchell, Roberta Raileanu, Colin Raffel, John Levine, Yulia Tsvetkov, and Christopher D Manning. 2023. Ieval: An instruction following benchmark. arXiv preprint arXiv:2310.07724.
261	emnlp-2025	2025.findings-emnlp.874	Kim et al. (2025e)	Zhiwei Chen, Yichao Lu, and Mingjun Zheng. 2020. Dkt+: Enhanced deep knowledge tracing with regularization. In Proceedings of the 2020 Conference on Empirical Methods in Natural Language Processing (EMNLP), pages 1234–1244.
262	emnlp-2025	2025.findings-emnlp.902	Xu et al. (2025d)	Zixuan Wang, Xiaocheng Li, and Yang Liu. 2023. Posterior prompt tuning: Toward faithful and calibrated llms. In Empirical Methods in Natural Language Processing (EMNLP).
263	emnlp-2025	2025.findings-emnlp.914	Li et al. (2025h)	RangRang Ge, ShiYe Song, Zhaorui Liu, Wei Liu, Yuesheng Wang, Dongling Wang, Bofang Zhou, Zhicheng Dou, and Ji-Rong Wen. 2023. A survey on KV cache compression for large language models. arXiv preprint arXiv:2312.10546.
264	emnlp-2025	2025.findings-emnlp.932	Jakob et al. (2025)	Shaina Ashraf, Isabel Bezzaoui, Ionut Andone, Alexander Markowetz, Jonas Fegert, and Lucie Flek. 2024. Defakts: A fine-grained dataset for analyzing disinformation in german media. In Proceedings of The 2024 Joint International Conference, on Computational Linguistics, Language Resources and Evaluation, Torino, Italia. European Language Resources Association.

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	Event ID	Paper ID	HalluCited Paper	Example of HalluCitation
265	emnlp-2025	2025.findings-emnlp.943	Akhondzadeh et al. (2025)	Michael Boratko, Harsh Padigela, Deepak Mikkilineni, Pavan Yuvraj, Rajarshi Das, Andrew McCallum, Mihai Chang, Achille Fokoue, Pavan Kapanipathi, Nicholas Mattei, et al. 2018. Arc: A machine reading comprehension dataset for reasoning over science text. In Proceedings of the 2018 Conference on Empirical Methods in Natural Language Processing, pages 1414–1423.
266	emnlp-2025	2025.findings-emnlp.954	Son et al. (2025)	Jack Hessel, Jingkang Zhao, Ranjay Krishna, Angel Chang, and Yonatan Bisk. 2022. Abductionrules: Leveraging commonsense knowledge and probabilistic reasoning for visual abduction. In Proceedings of the Conference on Empirical Methods in Natural Language Processing (EMNLP), pages 1451–1463.
267	emnlp-2025	2025.findings-emnlp.960	Kim et al. (2025b)	Xudong Liu, Paul Röttger, Johannes Welbl, Yonatan Belinkov, Hila Gonen, Eric Wallace, Samuel R. Bowman, Ryan Cotterell, and Noah A. Smith. 2023a. Harmbench: Measuring the propensity of language models to produce harmful content. In Findings of the Association for Computational Linguistics: EMNLP 2023, pages 11033–11051.
268	emnlp-2025	2025.findings-emnlp.967	Eyal et al. (2025)	Jackson Petty, Sjoerd van Steenkiste, Ishita Dasgupta, Fei Sha, Dan Garrette, and Tal Linzen. 2024. The impact of depth on compositional generalization in transformer-based neural networks. arXiv preprint arXiv:2310.19956.
269	emnlp-2025	2025.findings-emnlp.97	Yin et al. (2025)	Alice Oh, Kalpesh Krishna, Eric Wallace, Yichong Zhao, Patrick Lewis, and Antoine Bosselut. 2023. Instructir: Making dense retrievers follow instructions. Preprint, arXiv:2305.14252.
270	emnlp-2025	2025.findings-emnlp.973	Colakoglu et al. (2025)	Jian Zhong et al. 2020. Docextractor: An end-to-end system for information extraction from forms and receipts. arXiv preprint arXiv:2012.04573.
271	emnlp-2025	2025.finnlp-2.3	George et al. (2025)	Peter Henderson, Koustuv Sinha, Nicolas AngelardGontier, Nan Rosemary Ke, Geneviève Fried, Ryan Lowe, and Joelle Pineau. 2023. Foundation models for legal reasoning. arXiv preprint arXiv:2307.03557.
272	emnlp-2025	2025.finnlp-2.8	Nitarach et al. (2025)	Xuezhi Ma, Yan Zhou, Yining Wang, and 1 others. 2023. Financialqa: A reasoning benchmark for financial question answering. arXiv preprint arXiv:2302.07304.
273	emnlp-2025	2025.hcinlp-1.8	Wang et al. (2025e)	OpenAI. 2023. Gpt-4: A large-scale multimodal model. arXiv preprint arXiv:2303.08774.
274	emnlp-2025	2025.mathnlp-main.13	Lu et al. (2025)	Zhe Chen, Weiyun Zhang, Wen Wang, Yiliang Liu, Zhaoyang Zhang, Jian Wang, Jie Luo, Yu Qiao, and Wenhai Wang. 2024. Internvl 1.5: A general visionlanguage model. arXiv preprint arXiv:2404.16821.
275	emnlp-2025	2025.mathnlp-main.5	Fatima (2025)	Jingwen Xin, Zhengying Liu, Yifan Luo, and 1 others. 2025. Deepseek-prover-v2: Scaling natural-language graph-based test time compute for automated theorem proving. arXiv preprint arXiv:2503.11657.

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	EVENT ID	PAPER ID	HALLUCITED PAPER	EXAMPLE OF HALLUCITATION
276	emnlp-2025	2025.mathnlp-main.6	Khrulev (2025)	Zhen Yuan, Yifan Zhang, Jing Liu, Yuxiang Wang, Jie Zhang, Hanwang Liu, and Tat-Seng Chua. 2024. Fermat: A benchmark for evaluating vlm’ s ability in factual error correction of handwritten math solutions. arXiv preprint arXiv:2405.10100.
277	emnlp-2025	2025.mathnlp-main.9	Li (2025a)	Qwen Team. 2024. Qwen2.5-math: Scaling reasoning in mathematical domains. arXiv preprint arXiv:2409.XXXXX. Model card and technical report.
278	emnlp-2025	2025.mrl-main.12	Moon et al. (2025)	Leonardo Ranaldi, Barry Haddow, and Alexandra Birch. 2025. CrossRAG: Cross-lingual retrieval-augmented generation for knowledge-intensive tasks. arXiv preprint arXiv:2504.03616.
279	emnlp-2025	2025.mrl-main.2	Yuan et al. (2025c)	Laura A Banarescu, Claire Bonial, Sheila Condon, Emily Faries, Jon Niekrasz, and Tim O’ Connor. 2018. Amr for multi-document summarization. In Proceedings of the 56th Annual Meeting of the Association for Computational Linguistics (Volume 2: Short Papers), pages 577–583.
280	emnlp-2025	2025.mrl-main.20	Rachamalla et al. (2025)	NVIDIA. 2025. Llama-nemotron-post-training dataset: A comprehensive collection of instruction tuning and alignment data. arXiv preprint arXiv:2505.00949.
281	emnlp-2025	2025.nllp-1.11	Shukla et al. (2025)	Shounak Paul, Arpan Mandal, Pawan Goyal, and Saptarshi Ghosh. 2022b. Inlegalbert: Pre trained language models for indian legal texts. arXiv preprint arXiv:2209.06049.
282	emnlp-2025	2025.nllp-1.32	Chheda et al. (2025a)	Shivansh Nigam, Sarvesh Dubey, Ayush Agarwal, Dhananjay Kumar, and Saket Maheshwary. 2025. Legalseg: Unlocking the structure of indian legal documents. arXiv preprint arXiv:2502.05836.
283	emnlp-2025	2025.nllp-1.5	Xia et al. (2025)	Ghita Houir Alami and 1 others. 2024. Legalbench-rag: A benchmark for retrieval-augmented systems in the legal domain. Preprint, arXiv:2408.10343.
284	emnlp-2025	2025.nlperspectives-1.11	Zhang and Jaitly (2025)	Barbara Plank. 2022. Human label variation: Challenges and opportunities. Computational Linguistics, 48(4):999–1015.
285	emnlp-2025	2025.starsem-1.24	Kadam and Ferraro (2025)	esse Dunietz, Sam Thomson, Chris Dyer, and Noah A. Smith. 2020. An interpretable, lexicalized model for implicit event causality. In Proceedings of the 58th Annual Meeting of the Association for Computational Linguistics, pages 1703–1713.
286	emnlp-2025	2025.starsem-1.29	Gasan and Pais (2025)	Jinhyuk Kim, Wonjin Kim, Jinhyuk Lee, Joongbo Lee, Kyunghyun Lee, Sunghwan Yoon, and Jaewoo Kang. 2024. Meerkat: A medical reasoning benchmark for large language models. arXiv preprint arXiv:2402.00000.
287	emnlp-2025	2025.starsem-1.3	Rai et al. (2025)	Harish Madabushi and 1 others. 2024. Frame-based embeddings for coherent question answering. In Proceedings of EACL.

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	EVENT ID	PAPER ID	HALLUCITED PAPER	EXAMPLE OF HALLUCITATION
288	emnlp-2025	2025.starsem-1.33	Bailleux et al. (2025)	Sumedha Bhan, Aaditya Prabhu, Huaxiu Ma, and Zachary C. Lipton. 2025. Complete textual concept bottleneck models: Addressing concept completeness and classification leakage. arXiv preprint arXiv:2502.12345.
289	emnlp-2025	2025.tsar-1.16	Hayakawa et al. (2025)	Ben Dodd, Betty van Aken, Paul Röttger, and Isabelle Augenstein. 2021. AUTORANK: A systematic approach to benchmark and compare machine learning models. In Proceedings of the 2021 Conference on Empirical Methods in Natural Language Processing, pages 170–185, Online and Punta Cana, Dominican Republic. Association for Computational Linguistics
290	emnlp-2025	2025.tsar-1.7	Romero et al. (2025)	Mozilla NLP Team. 2023. Mozilla translations: Opensource neural translation in the browser. In Proceedings of Machine Translation Summit.
291	emnlp-2025	2025.uncertainlp-main.24	Dossou and Aïdasso (2025)	Yi Zhang, Jialin Li, and Danqi Chen. 2023. Coannotating: Human-ai collaborative annotation via uncertainty-guided task allocation. In Proceedings of the 2023 Conference on Empirical Methods in Natural Language Processing.
292	emnlp-2025	2025.winlp-main.12	Vinjamuri and Sun (2025)	Junxian Li, Xuezhe Ma, and Eduard Hovy. 2019. Dependency parsing with partial bi-affine attention. In Proceedings of NAACL-HLT.
293	emnlp-2025	2025.winlp-main.19	Kolli et al. (2025)	Yujia Tan, Wenpeng Zhang, Xiang Ren, and Qiji Chen. 2023b. Oe-fact: Open-domain explanation-enhanced fact-checking with large language models. In Findings of the Association for Computational Linguistics: EMNLP 2023.
294	emnlp-2025	2025.winlp-main.35	P and Mahalingam (2025)	Rahul Aralikatte, Neelamadhav Gantayat, Naveen Panwar, Anush Sankaran, and Senthil Mani. 2018. Sanskrit sandhi splitting using a double decoder rnn. In Proceedings of the 2018 Conference on Empirical Methods in Natural Language Processing, pages 4909–4914. Association for Computational Linguistics.
295	emnlp-2025	2025.wmt-1.105	Joshi et al. (2025b)	Ahmed, T., Hasan, M. K., Hoque, M. T., & Sultana, N. (2023). A comparative study on subword segmentation strategies for low-resource neural machine translation. In *Proceedings of the Eighth Conference on Machine Translation (WMT 2023)* (pp. 912–920). Association for Computational Linguistics. https://aclanthology.org/2023.wmt1.87
296	emnlp-2025	2025.wmt-1.106	Zhou et al. (2025c)	Anoop Kunchukuttan and 1 others. 2023. Indictrans2: Towards high-quality and low-resource machine translation for indic languages. In Proceedings of the 2023 Conference on Empirical Methods in Natural Language Processing.
297	emnlp-2025	2025.wmt-1.108	Zhu et al. (2025c)	Martin Vechev Luca Beurer-Kellner, Marc Fischer. 2024. Guiding llms the right way: Fast, noninvasive constrained decoding. arXiv.
298	emnlp-2025	2025.wmt-1.15	Bell et al. (2025)	Alfio Gliozzo and Carlo Strapparava. 2006. Exploiting lexical alignment for cross language textual entailment. In Proceedings of the 11th Conference of the European Chapter of the Association for Computational Linguistics, pages 33–40, Trento, Italy. Association for Computational Linguistics.

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	Event ID	Paper ID	HalluCited Paper	Example of HalluCitation
299	emnlp-2025	2025.wmt-1.43	Pang et al. (2025)	Aaron Chiang and et al. 2023. Autoreviewer: Enabling model self-review for dataset quality control. arXiv preprint arXiv:2303.14112.
300	emnlp-2025	2025.wmt-1.5	Kim (2025)	Zheng Jiang, Yang Yu, Yang Feng, Bing Qin, and Ting Liu. 2022. Blonde: An automatic evaluation metric for document-level natural language generation. In Proceedings of NAACL, pages 1679–1698.
301	emnlp-2025	2025.wmt-1.95	Acharya et al. (2025)	Gowtham Ramesh, Vishrav Chaudhary, Divyanshu Kakwani, Sai Praneeth Golla, Abhishek Philip, et al. 2023. Indictrans2: Towards high-quality and efficient multilingual translation for indic languages. arXiv preprint arXiv:2304.09105.
				Concluded

Table 9: List of hallucinated papers, i.e., HalluCited Papers, and their corresponding HalluCitations from AACL 2025 and EACL 2026.

	Event ID	Paper ID	HalluCited Paper	Example of HalluCitation
1	aacl-2025	2025.banglalp-1.17	Tomal et al. (2025)	Wei Zhao, Li Chen, and Jin-seo Park. 2024. The new era of foundation models: A survey on pre-training, finetuning, and adaptation. In Proceedings of the 62nd Annual Meeting of the Association for Computational Linguistics, pages 1–18.
2	aacl-2025	2025.banglalp-1.20	Chowdhury and Ferdous (2025)	R. Zhang and 1 others. 2024. Cross-lingual crosstemporal summarization: Dataset creation, modeling, and evaluation. Computational Linguistics, 50(3):1001–1023.
3	aacl-2025	2025.banglalp-1.23	Khisa et al. (2025)	Maurice Weber, Daniel Y. Fu, Quentin Anthony, Yonatan Oren, Shane Adams, Anton Alexandrov, Xiaozhong Lyu, Huu Nguyen, Xiaozhe Yao, Virginia Adams, Ben Athiwaratkun, Rahul Chalamala, Kezhen Chen, Max Ryabinin, Tri Dao, Percy Liang, Christopher Ré, Irina Rish, and Ce Zhang. 2024. Redpajama: A reproduction of the llama training dataset. arXiv preprint arXiv:2411.12372.
4	aacl-2025	2025.banglalp-1.31	Raihan et al. (2025a)	Tianyi Wang, Yang Ye, Panupong Pasupat, Aohan Wan, Grant Friedman, Jiacheng Tu, Maya Schaar, Jason Wei, Suriya Gunasekar, Matthew Richardson, et al. 2023. Babelcode: Llm as a polyglot programmer. arXiv preprint arXiv:2303.03845.
5	aacl-2025	2025.banglalp-1.55	Islam et al. (2025)	Abhishek Bhattacharjee, Shammur Aktar, Md. Saidul Islam Zishan, Sudipta Ghosh, Md. Mahadi Hasan, M. Sohel Rahman, Mohammad Ruhul Alam, Tetsuji Nakagawa, Teruhisa Misu, and Farig Shah. 2023. BanglaBERT: A Denoising Autoencoding based Pre-trained Language Model for Bengali. In Proceedings of the 17th Conference of the European Chapter of the Association for Computational Linguistics, pages 2577–2591.
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	Event ID	Paper ID	HalluCited Paper	Example of HalluCitation
6	aacl-2025	2025.banglalp-1.60	Fahmid et al. (2025)	Federico Cassano, John Gouwar, Daniel Nguyen, Sydney Nguyen, Luna Phipps-Costin, Donald Pinckney, Ming-Ho Yee, Yangtian Zi, Carolyn Jane Anderson, Arjun Guha, and 1 others. 2023. Multi-lingual code generation and evaluation with mbxp. In Proceedings of the 61st Annual Meeting of the Association for Computational Linguistics, pages 1064–1075.
7	aacl-2025	2025.banglalp-1.62	Shahrier et al. (2025)	Frank F Xu, Suraj Nair, Shuyan Lin, Pengcheng Yin, and Graham Neubig. 2022. Polycoder: A model for programming by example in multiple languages. arXiv preprint arXiv:2202.13169.
8	aacl-2025	2025.banglalp-1.8	Kawser et al. (2025)	Kalika Bali, Jatin Sharma, Monojit Choudhury, and Yogarshi Vyas. 2014. Borrowing and code-mixing in social media texts: A case study of hindi-english. In Proceedings of the 2014 Conference on Empirical Methods in Natural Language Processing (EMNLP), pages 116–126.
9	aacl-2025	2025.bhasha-1.11	P and Kulkarni (2025)	Yoshitomo Tsukagoshi, Nikhil Sharma, and Pawan Goyal. 2025. Towards accent-aware vedic sanskrit optical character recognition. In Computational Sanskrit and Digital Humanities, World Sanskrit Conference, pages 71–80, Kathmandu, Nepal. ACL.
10	aacl-2025	2025.bhasha-1.13	Ambaliya et al. (2025)	Md. Akmal Hassan, Md. Saiful Islam, and Mumit Khan. 2016. Sentiment Analysis on Bangla and Romanized Bangla Text Using Long Short-Term Memory Recurrent Neural Network. arXiv preprint arXiv:1610.00369.
11	aacl-2025	2025.bhasha-1.14	Dhamecha et al. (2025b)	Abhik Bhattacharjee, Tahmid Hasan, Anindya Sahu, Kumar Shikhar Deep Anand, Md. Rokibul Hasan, Rakesh Sreenivas, Roshni Ghosal, Asif Salekin, and Mohammad Mahbubur Rahman. 2023. Banglat5: A suite of pre-trained language models for Bangla. In Proceedings of the 2023 Conference on Empirical Methods in Natural Language Processing (EMNLP), pages 12345–12356.
12	aacl-2025	2025.bhasha-1.17	P (2025)	Eleri Luhtaru and Mark Fishel. 2024. Multilingual grammatical error correction using pre-trained translation models. In Proceedings of the 18th Conference of the European Chapter of the ACL (EACL 2024). Long paper.
13	aacl-2025	2025.bhasha-1.18	Dhamecha et al. (2025a)	Sumanth Doddapaneni, Divyanshu Kakwani, Simran Khanuja, Pushpak Bhattacharyya, and Sunayana Sitaram. 2023. Indicbert v2 and the revival of classical indic nlp benchmarks. In Proceedings of the 61st Annual Meeting of the Association for Computational Linguistics (ACL).
14	aacl-2025	2025.bhasha-1.2	Paul et al. (2025)	Omri Abend and Ari Rappaport. 2017. The universal anaphora annotation framework. Transactions of the Association for Computational Linguistics, 5:561– 577.
15	aacl-2025	2025.bhasha-1.4	Ravikiran et al. (2025)	Hongli Zhou, Hui Huang, Ziqing Zhao, Lvyuan Han, Huicheng Wang, Kehai Chen, Muyun Yang, Wei Bao, Jian Dong, Bing Xu, Conghui Zhu, Hailong Cao, and Tiejun Zhao. 2025. Psn-irt: Psychometrics + neural for llm benchmarks. arXiv preprint arXiv:2505.15055.

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	Event ID	Paper ID	HalluCited Paper	Example of HalluCitation
16	aacl-2025	2025.findings-ijcnlp.117	Basu et al. (2025)	D. I. Adelani and 1 others. 2022. Afriberta: Large-scale self-supervised pretraining for african languages. arXiv preprint arXiv:2204.06487.
17	aacl-2025	2025.findings-ijcnlp.124	Srikanth et al. (2025)	Zhou' an Zhu, Xin Li, Jicai Pan, Yufei Xiao, Yanan Chang, Feiyi Zheng, and Shangfei Wang. 2023. Medic: A multimodal dataset for empathic dialogue in counseling. arXiv preprint arXiv:2305.14221.
18	aacl-2025	2025.findings-ijcnlp.125	Vasani et al. (2025)	Xiaohui Zhang, Xiang Lisa Li, and 1 others. 2023. Adaptive low-rank adapter (adalora): Compressing lora further via rank allocation. arXiv preprint arXiv:2303.10512.
19	aacl-2025	2025.findings-ijcnlp.134	Shifa et al. (2025)	Alberto Poli, Ilya Sergey, and Greg Morrisett. 2024. Scalable verification of mitigations for memory safety. arXiv preprint arXiv:2404.12464.
20	aacl-2025	2025.findings-ijcnlp.141	Shailya et al. (2025)	Gemma Team, Thomas Mesnard, Cassidy Hardin, Sebastian Borgeaud, Aidan Clark, Arthur Mensch, Michael Ring, Laurent Hoffmann, Eliza Buchatskaya, Andy Cassirer, and 1 others. 2024. Gemma: Open models for responsible ai. Technical report, arXiv preprint arXiv:2403.08295.
21	aacl-2025	2025.findings-ijcnlp.142	Patil et al. (2025)	Shiyue Zheng, Tuhin Ghosal, Ethan Chi, and et al. 2023b. Judging llm-as-a-judge: Comparison and calibration of llms for evaluating open-ended text generation. In Proceedings of the 61st Annual Meeting of the Association for Computational Linguistics (ACL).
22	aacl-2025	2025.findings-ijcnlp.24	Vejendla (2025c)	Ren Wang, Bo Dai, and Li Liu. 2021. Self-supervised curriculum learning for deep reinforcement learning. In Advances in Neural Information Processing Systems, volume 34.
23	aacl-2025	2025.findings-ijcnlp.26	Vejendla (2025a)	Albert Gu, Tri Dao, and 1 others. 2023. Mamba: Lineartime sequence modeling with selective state spaces. In NeurIPS.
24	aacl-2025	2025.findings-ijcnlp.28	Dobariya et al. (2025)	John Lee. 2004. A classifier-based approach to preposition and determiner errors. In Proceedings of the 20th International Conference on Computational Linguistics.
25	aacl-2025	2025.findings-ijcnlp.41	Shen et al. (2025)	Yufei Gu, Wenhao Huang, Xinyang Zhang, and 1 others. 2023. Celebv-text: A large-scale video-text dataset for realistic human generation. arXiv preprint arXiv:2312.00734.
26	aacl-2025	2025.findings-ijcnlp.47	Nooralahzadeh et al. (2025)	Jane Doe, John Smith, and Wei Zhang. 2025. Magma: Multi-agent generalist for multimodal alignment. In Proceedings of the 2025 Conference on Empirical Methods in Natural Language Processing (EMNLP). To appear.
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118	eacl-2026	2026.findings-eacl.43	Sun et al. (2026)	John W Ely, Jerome A Osheroff, Melisa L Chambliss, Mark H Ebell, and Mark E Rosenbaum. 2011. The value of clinical questions: identifying research priorities in primary care. BMJ Quality & Safety, 20(9):787–792.
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124	eacl-2026	2026.loreslm-1.3	Yadav (2026)	Shuyuan Xie, Suraj Maharjan, and Thamar Solorio. 2023. An empirical study of in-context learning in large language models with code-switching. arXiv preprint arXiv:2305.09066.
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128	eacl-2026	2026.loresmt-1.2	Macayan et al. (2026)	Filipe Cardoso, Rui Silva, and Luis Gomes. 2022. Improving neural MT of indigenous languages with multilingual transfer learning. In Proceedings of the 60th Annual Meeting of the Association for Computational Linguistics: Student Research Workshop, pages 299– 307, Dublin, Ireland. Association for Computational Linguistics.
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131	eacl-2026	2026.mwe-1.17	Alexandru-Marian (2026)	Yue Fan and 1 others. 2025. An empirical study of positional bias in large language models. arXiv preprint arXiv:2501.00000.
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137	eacl-2026	2026.vardial-1.14	Panchal et al. (2026)	Divyansh Subramani and David Bau. 2022. Directional stimulus optimization: Open-ended text generation as activation steering. In Proceedings of the 2022 Conference on Empirical Methods in Natural Language Processing (EMNLP).
138	eacl-2026	2026.vardial-1.15	Kyslyi et al. (2026)	Davide Michelsanti and et al. 2019. Asr for unwritten languages: A survey. Preprint, arXiv:1907.13511.
139	eacl-2026	2026.vardial-1.8	Chatzikyriakidis et al. (2026)	Eve Fleisig, Suchin Gururangan, and Noah A. Smith. 2024. Standard language ideology in NLP. arXiv preprint arXiv:2404.11968.

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