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강연 제목: 과학 글쓰기에서의 ChatGPT 활용 / ChatGPT for Scientific Writing

Abstract: ChatGPT, a state-of-the-art large language model developed by OpenAI, has garnered significant attention for its ability to understand and generate human-like text. By employing advanced natural language processing techniques, ChatGPT shows promise in various applications, including scientific writing. Incorporating ChatGPT into the scientific writing process presents both opportunities and challenges, which necessitates careful consideration of several factors.To properly utilize ChatGPT, it is crucial to understand its capabilities, limitations, and potential applications in scientific writing. Efficient literature searches, retrieval, and avoidance of fabricated references can be achieved by meticulous prompt engineering. The model can also be employed to brainstorm novel ideas, structure research questions, and organize manuscript outlines. By providing suggestions for sentence structure, clarity, and coherence, ChatGPT can facilitate the drafting process.Refining manuscripts is another area where ChatGPT can contribute positively. Through grammar checks, editing suggestions, and polishing language, the model can help improve the overall quality of scientific writing. However, it is essential to acknowledge the potential risks and limitations associated with using ChatGPT. The importance of respecting intellectual property, addressing potential plagiarism issues, and adhering to ethical guidelines must be emphasized. In conclusion, the proper use of ChatGPT in scientific writing can lead to enhanced efficiency, creativity, and quality of work. A thorough understanding of the model's capabilities, potential risks, and ethical considerations is key to ensuring its effective and responsible application in the field of scientific writing.

Brief Biosketch

경력

- 경희의대 학사, 석사, 박사 학위 취득
- 경희의료원 정신건강의학과 전공의
- 정신과전문의, 수면의학 세부전공
- 하버드의대 박사후과정 및 강사
- 분당서울대병원 수면의학 전임의
- 강동경희대병원 정신건강의학과 임상조교수
- 현 GIST 의생명공학과 부교수

연구분야

- 수면-각성 조절 기전
- 알츠하이머병
- 자폐증
- 감마파 동기화
- 뉴로모듈레이션(음파, 초음파, tDCS, PBM)

학회활동

- 대한수면학회
- 대한생물정신의학회
- 한국뇌신경과학회