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Biography

Xieling Chen received her M.S. degree in statistics from Jinan University, Guangzhou, China in 2019. She is currently pursuing the Ph.D. degree at The Education University of Hong Kong, Hong Kong SAR. Her research interests include artificial intelligence in education, text mining, human-centered artificial intelligence, personalized learning, statistics, meta-analysis, natural language processing, and visualization. She has published more than 46 publications (including accepted publications), among which 25 are SCI/SSCI indexed papers on journals like Computers & Education, British Journal of Educational Technology, Language Learning & Technology, Educational Technology & Society, Journal of Educational Computing Research, Neurocomputing, Neural Computing and Applications, and Cognitive Computation. She has two software copyrights. She is the Assistant Editor of Computers and Education: Artificial Intelligence. She serves as a reviewer for 19 SCI/SSCI indexed journals such as British Journal of Educational Technology, Distance Education, Educational Technology & Society, and Australasian Journal of Educational Technology. She is also a PC member for BESC 2019, SeCoP 2020, GCCCE 2020, GCCCE 2021, SETE-UMLL 2021, etc. Till July 2021, her totally Google Scholar citation counts is 528, h-index is 14, and i-10 index is 17 at Google Scholar, and her RG score in Researchgate is 21.84.

Education & Working

2019/09 – present	**PhD student,** Computer Science Department of Mathematics and Information Technology, The Education University of Hong Kong (EdUHK)
2016/09 – 2019/06	**Master student**, Statistics (GPA: 91.3/100, Ranking: 1/20) Jinan University (JNU)
2012/09 – 2016/06	**Undergraduate student**, Statistics (GPA: 3.89/4.0, Ranking: 1/38) Guangdong University of Foreign Studies (GDUFS)
2013/09 – 2016/06	**Undergraduate student**, Business English (Dual-degree, GPA: 3.43/4.0) GDUFS
2015/10 – 2016/01	**Intern**, Alibaba UC Mobile Business Group

Research interest

Artificial intelligence in education, Text mining, Human-centered artificial intelligence, Technology-enhanced learning, Personalized learning, Statistics, Meta-analysis, Natural language processing, Visualization

Membership

- IEEE Student Member

- ACM Student Member
- CCF Student Member

Professional Services

- Assistant Editor of Computers and Education: Artificial Intelligence
- Conference program committee member: BESC (International Conference on Behavioral, Economic, and Socio-Cultural Computing) 2019, SeCoP (International Symposium on Semantic Computing and Personalization) 2020, GCCCE (Global Chinese Conference on Computers in Education) 2020, GCCCE 2021; SETE-UMLL (International Symposium on User Modeling and Language Learning) 2021
- SCI/SSCI Journal reviewer:
  British Journal of Educational Technology (IF 4.929)
  Educational Technology & Society (ET&S) (IF 3.522)
  Australasian Journal of Educational Technology (IF 3.067)
  Journal of Information Science (IF 3.282)
  AERA Open (IF 2.299)
  Distance Education (IF 2.952)
  PloS One (IF 3.24)
  IEEE Access (IF 3.367)
  Mathematical Biosciences and Engineering (IF 2.08)
  Financial Innovation (IF 3.985)
  SAGE Open (IF 1.356)
  Online Information Review (IF 2.325)
  PeerJ Computer Science (IF 1.392)
  Educational Review (IF 3.605)
  Quality & Quantity (IF 1.072)
  BMC Bioinformatics (IF 3.169)
  BMC Nephrology (IF 2.388)
  BMC Medical Education (IF 2.463)
  BMC Medical Research Methodology (IF 4.615)
- Journal reviewer:
  Humanities and Social Sciences Communications
  Education Research International
  International Journal of Mobile Learning and Organisation

Awards

- **Excellent Paper Award,** International Conference on Blended Learning 2020, Bangkok, Thailand, August 24-27, 2020
- **Postgraduate Students Publication Awards Scheme 2019/20**, 2020 (including two pieces of publications)
- **Hong Kong PhD Fellowship 2019/20**, 2019
- **Outstanding Graduate Student**, Jinan University, 2019
- **National Scholarship for Graduate Student**, JNU, 2018
- First Academic Scholarship for Graduate Student (2018-2019), JNU, 2018
- **Best Paper Award,** China-US Medical Informatics Forum (HealthInfo) 2018, Guangzhou, 2018
- Second Academic Scholarship for Graduate Student (2016-2017、2017-2018), JNU, 2018
- **Outstanding Undergraduate Student Award**, GDUFS, 2016

- **Outstanding Bachelor Thesis, GDUFS, 2016**
- **Honorary Degree of Bachelor, GDUFS, 2016**
- Second Prize in the IT System Development Competition-Guangzhou Division (9/69), 2016
- Title of Excellent All-round Student (2012-2013、2014-2015、2015-2016), GDUFS, 2016
- First Outstanding Student Scholarship (2012-2013、2013-2014、2014-2015), GDUFS, 2015
- Second Prize in the 9th Survey Contest for Guangdong Social Management, GDUFS, 2015

Publications (published and accepted)

1. **<u>Xieling Chen</u>**, Di Zou, Gary Cheng, Haoran Xie. Detecting Latent Topics and Trends in Educational Technologies over Four Decades Using Structural Topic Modeling: A Retrospective of All Volumes of Computer & Education. ***Computers & Education*** 151 [SSCI & SCI, JCR Q1, IF=**<u>8.538</u>**, 5-Year IF=7.802] 中科院教育学 **1 区 Top**

2. **<u>Xieling Chen</u>**, Di Zou, Haoran Xie. Fifty years of British Journal of Educational Technology: A topic modeling based bibliometric perspective. ***British Journal of Educational Technology*** 51(3), 692-708. [SSCI, JCR Q1, IF=**<u>4.929</u>**, 5-Year IF=5.03] 中科院教育学 2 区

3. Yu Song, **<u>Xieling Chen</u>**, Tianyong Hao, Zhinan Liu, Zixin Lan. Exploring two decades of research on classroom dialogue using bibliometric analysis. ***Computers & Education*** 137, 2019, 12-31 [SSCI & SCI, JCR Q1, IF=**<u>8.538</u>**, 5-Year IF=9.269] 中科院教育学 **1 区 Top**

4. **<u>Xieling Chen</u>**, Di Zou, Haoran Xie, Gary Cheng. Two decades of artificial intelligence in education: contributors, collaborations, research topics, challenges, and future directions. ***Educational Technology & Society***. Accepted in March 2021. [SSCI, JCR Q1, IF=**3.522**, 5-Year IF=3.941]. 中科院教育学 3 区

5. **<u>Xieling Chen</u>**, Di Zou, Haoran Xie, and Gary Cheng. Twenty years of personalized language learning: topic modeling and knowledge mapping. ***Educational Technology & Society***, 24 (1), 205-222. [SSCI, JCR Q1, IF=**3.522**, 5-Year IF=3.941]. 中科院教育学 3 区

6. Xinyi Huang, Di Zou, Gary Cheng, **<u>Xieling Chen</u>**, Haoran Xie. Trends, research issues, and applications of artificial intelligence in language education. ***Educational Technology & Society***. Accepted in March 2021. [SSCI, JCR Q1, IF=**3.522**, 5-Year IF=3.941]. 中科院教育学 3 区

7. **<u>Xieling Chen</u>**, Di Zou, Haoran Xie, Fan Su. Twenty-five years of computer-assisted language learning: a topic modeling analysis. ***Language Learning & Technology***. Accepted in January 2021. [SSCI, JCR Q1, IF=**4.313**, 5-Year IF=4.094]. 中科院人文科学 2 区

8. **<u>Xieling Chen</u>**, Haoran Xie, Gary Cheng, Zongxi Li. Topic Analysis and Development in Knowledge Graph Research: A Bibliometric Review on Three Decades. ***Neurocomputing***. Accepted in February 2021. [SCI, JCR Q1, IF=**5.719**, 5-Year IF=4.986]. 中科院计算机科学 **2 区 Top**

9. **<u>Xieling Chen</u>**, Haoran Xie, Gary Cheng, Zongxi Li. A Decade of Sentic Computing: Topic Modeling and Bibliometric Analysis. ***Cognitive Computation***. Accepted in January 2021. [SCI, JCR Q1, IF = **5.418**, 5-Year IF = 4.917]. 中科院计算机科学 3 区

10. **<u>Xieling Chen</u>**, Xiaohui Tao, Fu Lee Wang, Haoran Xie. Global research on artificial intelligence technologies-enhanced human electroencephalogram analysis. ***Neural Computing and Applications***. Accepted in December 2020. [SCI, JCR Q1, IF=**5.606**, 5-Year IF =5.573]. 中科院计算机科学 3 区

11. Tianyong Hao, **<u>Xieling Chen</u>**, Yu Song. (2020). A Topic-Based Bibliometric Analysis of Two Decades of Research on the Application of Technology in Classroom Dialogue. ***Journal of***

Educational Computing Research, 58(7), 1311-1341. [SSCI, JCR Q2, IF=**3.088**, 5-Year IF=2.909]. 中科院教育学 4 区

12. **Xieling Chen**, Haoran Xie. A structural topic modeling based bibliometric study of sentiment analysis literature. *Cognitive Computation* [SCI, JCR Q1, IF = **5.418**, 5-Year IF = 4.917]. 中科院计算机科学 3 区

13. Caixia Liu, Di Zou, **Xieling Chen**, Haoran Xie, Wai Hong Chan. A bibliometric review on latent topics and trends of the empirical MOOC literature (2008-2019). *Asia Pacific Education Review*. Accepted in March 2021. [SSCI, IF=**1.573**, 5-Year IF =1.793]. 中科院教育学 4 区

14. **Xieling Chen**, Di Zou, Haoran Xie, Fu Lee Wang. Past, present, and future of smart learning: a topic-based bibliometric analysis. *International Journal of Educational Technology in Higher Education*. Accepted in December 2020. [SSCI, JCR Q1, IF = **4.944**, 5-Year IF =5.361]. 中科院教育学 3 区

15. **Xieling Chen**, Di Zou, Haoran Xie, Gary Cheng. Topic-based Bibliometric Analysis of Computers in Human Behavior: Contributors, Collaborations, and Research Topics. *Sustainability*. Accepted in April 2021. [SSCI & SCI, JCR Q2, IF = **3.251**, 5-Year IF =3.473]. 中科院环境科学与生态学 4 区

16. Ruofei Zhang, Gary Cheng, **Xieling Chen**. Game-based self-regulated language learning: Theoretical analysis and bibliometrics. *PloS One*. Accepted in December 2020. [SCI, JCR Q2, IF= 3.24, 5-Year IF =3.788] 中科院综合性期刊 3 区

17. **Xieling Chen**, Xinxin Zhang, Haoran Xie, Xiaohui Tao, Fu Lee Wang, Nengfu Xie, Tianyong Hao. A bibliometric and visual analysis of artificial intelligence technologies-enhanced brain MRI research. *Multimedia Tools and Applications*, 1-29. [SCI, JCR Q2, IF = **2.757**, 5-Year IF = 2.517] 中科院计算机科学 4 区

18. **Xieling Chen**, Juan Chen, Gary Cheng, Tao Gong. (2020). Topics and trends in artificial intelligence assisted human brain research. *PloS One* 15 (4), e0231192 [SCI, JCR Q2, IF= **3.24**, 5-Year IF =3.788] 中科院综合性期刊 3 区

19. **Xieling Chen**, Haoran Xie, Gary Cheng, Leonard K. M. Poon, Mingming Leng, Fu Lee Wang. Trends and Features of the Applications of Natural Language Processing Techniques for Clinical Trials Text Analysis. (2020). *Applied Sciences* 10 (6), 2157 [SCI, JCR Q2, IF= **2.679**, 5-Year IF= 2.736] 中科院工程技术 3 区

20. **Xieling Chen**, Shan Wang, Yong Tang, Tianyong Hao. A bibliometric analysis of event detection in social media. *Online Information Review* 43 (1), 2019, 29-52 [SCI & SSCI, JCR Q2, IF=**2.352**, 5-Year IF=2.883] 中科院管理学 4 区

21. Tianyong Hao, **Xieling Chen***, Guozheng Li, Jun Yan. A Bibliometric Analysis of Text Mining in Medical Research. *Soft Computing* 22 (23), 2018, 7875-7892 [SCI, JCR Q2, IF=**3.643**, 5-Year IF=3.518, Corresponding Author] 中科院计算机科学 3 区

22. **Xieling Chen**, Ziqing Liu, Li Wei, Jun Yan, Tianyong Hao, Ruoyao Ding. A Comparative Quantitative Study of Utilizing Artificial Intelligence on Electronic Health Records in the USA and China during 2008-2017. *BMC Medical Informatics and Decision Making* 18 (5), 2018, 117 [SCI, JCR Q3, IF=**2. 796**, 5-Year IF=3.394] 中科院医学 3 区

23. **Xieling Chen**, Yonghui Lun, Jun Yan, Tianyong Hao, Heng Weng. Discovering Thematic Change and Evolution of Utilizing Social Media for Healthcare Research. *BMC Medical Informatics and Decision Making* 19 (Suppl 2), 2019, 50 [SCI, JCR Q3, IF=**2. 796**, 5-Year IF=3.394] 中科院医学 3 区

24. **<u>Xieling Chen</u>**, Ruoyao Ding, Kai Xu, Shan Wang, Tianyong Hao. A Bibliometric Review of Natural Language Processing Empowered Mobile Computing. ***Wireless Communications & Mobile Computing*** (SI: Natural Language Processing Empowered Mobile Computing), 2018. [SCI, JCR Q3, IF= **2.336**, 5-Year IF=1.954] 中科院计算机科学 4 区

25. **<u>Xieling Chen</u>**, Haoran Xie, Fu Lee Wang, Ziqing Liu, Juan Xu, Tianyong Hao. A Bibliometric Analysis of Natural Language Processing in Medical Research. ***BMC Medical Informatics and Decision Making***, 18(Suppl 1):14, 2018 [SCI, JCR Q3, IF=**2. 796**, 5-Year IF=3.394] 中科院医学 3 区

26. **<u>Xieling Chen</u>**, Di Zou, Gary Cheng, Haoran Xie. Thirty years of Interactive Learning Environments: Contributors, collaborations, and research topics. ***International Journal of Mobile Learning and Organisation***. In press.

27. **<u>Xieling Chen</u>**, Di Zou, Haoran Xie, Gary Cheng, Fan Su. A Bibliometric Analysis of Game-Based Collaborative Learning Between 2000 and 2019. ***International Journal of Mobile Learning and Organisation***. In press.

28. **<u>Xieling Chen</u>**, Haoran Xie, & Gwo-Jen Hwang (2020). A Multi-Perspective Study on Artificial Intelligence in Education: Grants, Conferences, Journals, Software Tools, Institutions, and Researchers. ***Computers and Education: Artificial Intelligence***, 100005.

29. **<u>Xieling Chen</u>**, Haoran Xie, Di Zou, & Gwo-Jen Hwang (2020). Application and theory gaps during the rise of Artificial Intelligence in Education. ***Computers and Education: Artificial Intelligence***, 1, 100002.

30. **<u>Xieling Chen</u>**, Guoxing Yu, Gary Cheng, & Tianyong Hao. (2019). Research topics, author profiles, and collaboration networks in the top-ranked journal on educational technology over the past 40 years: a bibliometric analysis. ***Journal of Computers in Education***, 6(4), 563-585.

31. **<u>Xieling Chen</u>**, Di Zou, Gary Cheng, & Haoran Xie. (2021). Artificial intelligence-assisted personalized language learning: systematic review and co-citation analysis. **Accepted** by the 21th ***IEEE International Conference on Advanced Learning Technologies*** (ICALT 2021).

32. **<u>Xieling Chen</u>**, Di Zou, Haoran Xie, & Fu Lee Wang (2020, August). Smart Learning Environments: A Bibliometric Analysis. In ***International Conference on Blended Learning*** (pp. 353-364). Springer, Cham.

33. **<u>Xieling Chen</u>**, Di Zou, Haoran Xie, Gary Cheng and Caixia Liu. A Bibliometric Study on Artificial Intelligence in Education for Two Decades, In ***Proceedings of 2020 International Conference on Education and Artificial Intelligence (ICEAI)***, Hong Kong, 9-11, November, ICEAI, 2020.

34. **<u>Xieling Chen</u>**, Di Zou, Gary Cheng and Haoran Xie, Qing Li, Fu Lee Wang and Ziye Chen. Thirty years of Interactive Learning Environments: A text mining based bibliometric analysis, In ***Proceedings of 2020 International Conference on Education and Artificial Intelligence (ICEAI***), Hong Kong, 9-11, November, ICEAI, 2020.

35. **<u>Xieling Chen</u>**, Di Zou, Lucas Kohnke and Haoran Xie. Emotional issues in collaborative learning: bibliometrics with topic modeling. In ***Proceedings of 2020 International Conference on Education and Artificial Intelligence (ICEAI)***, Hong Kong, 9-11, November, ICEAI, 2020.

36. **<u>Xieling Chen</u>**, Di Zou, Gary Cheng, Haoran Xie, Fu Lee Wang and Leung Pun Wong (2020, September). Core Research Topics of Studies on Personalized Feedback in the Past Four

Decades. In ***International Conference on Database Systems for Advanced Applications*** (pp. 121-130). Springer, Cham.

37. <u>**Xieling Chen**</u>, Di Zou, Haoran Xie and Gary Cheng (2020, September). What Are MOOCs Learners' Concerns? Text Analysis of Reviews for Computer Science Courses. In ***International Conference on Database Systems for Advanced Applications*** (pp. 73-79). Springer, Cham.

38. <u>**Xieling Chen**</u>, Juntao Hao, Junjie Chen, Songshou Hua and Tianyong Hao. A Bibliometric Analysis of the Research Status of the Technology Enhanced Language Learning. ***Lecture Notes in Computer Science*** 11284, pp. 169-179, 2018. By *UMLL 2018*. (EI) Springer

39. <u>**Xieling Chen**</u>, Heng Weng and Tianyong Hao. A Data-driven Approach for Discovering the Recent Research Status of Diabetes in China. ***Lecture Notes in Computer Science*** 10594, pp. 89-101, 2017. By *HIS 2017*. (EI) Springer

40. <u>**Xieling Chen**</u>, Boyu Chen, Chunxia Zhang and Tianyong Hao. Discovering the Recent Research in Natural Language Processing Field based on a Statistical Approach. ***Lecture Notes in Computer Science*** 10676, pp. 507-517, 2017. By *UMLL 2017* (EI) Springer

41. Tianyong Hao, <u>**Xieling Chen**</u>, Guimin Huang. Discovering Commonly Shared Semantic Concepts of Eligibility Criteria for Learning Clinical Trial Design. ***Lecture Notes in Computer Science*** 9412, pp. 3-13, 2015. By *ICWL 2015, Guangzhou, China* **(Invited paper,** EI**)** Springer

42. (Book chapter) <u>**Xieling Chen**</u>, Tianyong Hao*. Quantifying and Visualizing the Research Status of Social Media & Health Research Field. In ***Social Web and Health Research*** (pp. 31-51). Springer, Cham.

43. <u>**Xieling Chen**</u>, Xinxin Zhang, Haoran Xie, Fu Lee Wang, Jun Yan, Tianyong Hao. Trends and Features of Human Brain Research Using Artificial Intelligence Techniques: A Bibliometric Approach. ***IJCAI-HBAI Workshop***.

44. <u>**Xieling Chen**</u>, Dongfa Gao, Yonghui Lun, Dingli Zhou, Tianyong Hao, Haoran Xie. The analysis of Worldwide Research on Artificial Intelligence Assisted User Modeling. ***UMLL***. Accepted in 2019.

45. Zhaozhou Han, Yue Bai, <u>**Xieling Chen**</u>. Discovering the Research Status of Statistics in China based on Bibliometrics and Knowledge Mapping Visualization (in Chinese), ***Statistics & Decision*** (CSSCI).

46. Jinchun Guo, <u>**Xieling Chen**</u>. Job Satisfaction and Its Factors of the "Farmers to Citizens" (in Chinese), ***the World of Survey and Research*** (CSSCI), Volume 9, pp. 22-26, 2016. CNKI

Publications (Under revision and review)

47. <u>**Xieling Chen**</u>, Di Zou, Haoran Xie. A decade of learning analytics: structural topic modeling based bibliometric analysis. ***Australasian Journal of Educational Technology***. (IF: 3.067)

48. <u>**Xieling Chen**</u>, Haoran Xie, Zongxi Li, Man Leung Wong, Gary Cheng, Qing Li. Identify Relevant Publications for Literature Review via Deep Neural Networks. ***Applied Soft Computing***. (IF: 6.725)

49. <u>**Xieling Chen**</u>, Haoran Xie, Zongxi Li, Gary Cheng, Mingming Leng, Fu Lee Wang. Information fusion for medical health with artificial intelligence: structural topic modeling and bibliometrics. ***Information fusion***. (IF: 12.975)

50. <u>**Xieling Chen**</u>, Di Zou, Haoran Xie. Technologies in content and language integrated learning: types, purposes, and outcomes. ***Computer Assisted Language Learning***. (IF 4.789)

51. **Xieling Chen**, Di Zou, Gary Cheng, Haoran Xie, Fan Su. Effects of flipped language classrooms on learning outcomes in higher education: A Bayesian meta-analysis. ***Studies in Higher Education***. (IF: 3.000)

52. **Xieling Chen**, Di Zou, Gary Cheng, Haoran Xie, Morris Jong.   Blockchain in smart education: Contributors, collaborations, applications and research topics. ***Educational Technology & Society***. (IF: 3.522).

53. **Xieling Chen**, Di Zou, Lucas Kohnke, Haoran Xie, Gary Cheng. Affective states in digital game-based learning: thematic evolution and social network analysis. ***Plos one***. (IF: 3.24)

54. **Xieling Chen**, Gary Cheng, Fu Lee Wang, Haoran Xie, Lingling Xu. Web intelligence for human health: Systematic review. ***Sensors***. (IF: 3.576)

55. **Xieling Chen**, Di Zou, Lucas Kohnke, Haoran Xie, Gary Cheng. Emotions in collaborative learning: Bibliometrics with topic modeling. ***Plos one***. (IF: 3.24)

56. **Xieling Chen**, Student Member, IEEE, Haoran Xie, Senior Member, IEEE, Jingjing Wang, Zongxi Li, Gary Cheng, Man Leung Wong. A bibliometric review of soft computing for recommender systems and sentiment analysis. ***IEEE Transactions on Artificial Intelligence***.

57. **Xieling Chen**, Haoran Xie, Gary Cheng, Guanliang Chen, Di Zou. Understanding MOOC reviews: Text mining using structural topic model. ***Human-Centric Intelligent Systems***.

Lecture experience

- On February 19, 2021, I was invited to deliver a lecture on "A Topic-Based Bibliometric Analysis of Computers & Education" in Taipei Medical University.

Research Grants

- **Student member**, National Natural Science Foundation of China (No. 61772146), Research on Question Analysis and Similarity Calculation Model Towards Specific Diseases in Medical Domain, ￥ 670K, 2018-2021

- **Student member**, Guangzhou Panyu District "Blue Plan" Business Project (No. 2017-R04-041), Question Answering and Health Indicators Tracking and Warning System for Diabetes, ￥ 100K, 2017-2019

- **Student member**, Research on Patent Activities of Industrial Enterprises above Scale in Guangdong Province (No. GPCGD163119FD369F), The Patent Office of the National Intellectual Property Administration-Guangzhou Agency, inception in 2016

- **Student member**, Research on the Economic Contribution of Patent-Intensive Industry in Guangdong Province, Guangdong Province Patent Information Association, inception in 2017

- **Key member** (No. 2) , National Undergraduate Innovation Training Program 2015 (No. 201511846010) , Ways to Improve the Employment Quality of the "Farmers to Citizens" in the Process of Urbanization in Guangzhou, ￥ 10K, 2015-2016

Intellectual Property (Software Copyright)

- MyRef-A Personalized Reference Management System, 2016SR077562, 2016-04-15
- An Automated QA System toward Children Education, 2016SR243218, 2016-08-31

Skill

- Test for English Majors-Band 8 (Level: Good)；Test for English Majors-Band 8-Oral
- College English Test-6 (Grade: 578); Test-4 (Grade: 625); TOEFL
- National Computer Rank Examination (Level 2)；Human Resources Professional-Level 3