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- ① OpenAI.Introducing ChatGPT <https://openai.com/blog/chatgpt>.
- ② Gabrielle Bienasz.The Age of AI Has Begun Bill Gates Says This “Revolutionary” Tech is the Biggest Innovation Since the User-friendly Computer <https://www.entrepreneur.com/business-news/bill-gates-says-chatgpt-is-revolutionary-in-new-blog-post/448138>.
- ③ Warren Buffett.Charlie Munger Discuss Profits AI and More at Berkshire Hathaway Meeting <https://www.usatoday.com/story/money/2023/05/07/warren-buffett-berkshire-hathaway-charlie-munger/70192392007/>.
- ④ Cade Metz.The Godfather of AI Quits Google and Warns of Danger Ahead <https://www.nytimes.com/2023/05/01/technology/ai-google-chatbot-engineer-quits-hinton.html>.
- ⑤ Josh Meyer.AI Poses Risk of Extinction Tech Leaders Warn in Open Letter.Here’s Why Alarm is Spreading <https://www.usatoday.com/story/news/politics/2023/05/31/ai-extinction-risk-expert-warning/70270171007/>.

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- ① Noam Chomsky Ian Roberts Jeffrey Watumull.Noam Chomsky The False Promise of ChatGPT <https://www.nytimes.com/2023/03/08/opinion/noam-chomsky-chatgpt-ai.html>.
 - ② J.Euchner.Almost Human Research-Technology Management 2023 2 10-11.
 - ③ J.Rudolph S.Tan.ChatGPT Bullshit Spewer or the End of Traditional Assessments in Higher Education?Journal of Applied Learning and Teaching 2023 1 1-22.
 - ④ Jennifer Korn.AI Pioneer Quits Google to Warn about the Technology' s dangers” <https://edition.cnn.com/2023/05/01/tech/geoffrey-hinton-leaves-google-ai-fears/index.html>.
 - ⑤ Will Douglas Heaven.ChatGPT is Going to Change Education not Destroy it <https://www.technologyreview.com/2023/04/06/1071059/chatgpt-change-not-destroy-education-openai/>.
 - ⑥ “ ” 2015 12 8
 - ⑦ “ +” 2019 8 12
 - ⑧ Duha M.S.U. ChatGPT in Education An Opportunity or a Challenge for the Future?TechTrends 2023 67 402-403.
 - ⑨ 2020 20
 - ⑩ Educators Battle Plagiarism as 89% of Students Admit to Using OpenAI' s ChatGPT for Homework Chris Westfall <https://www.forbes.com/sites/chriswestfall/2023/01/28/educators-battle-plagiarism-as-89-of-students-admit-to-using-open-ais-chatgpt-for-homework/>.

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① AI <https://www.163.com/dy/article/I4K52H-3505563FFA.html>

② http://www.cac.gov.cn/2023-04/11/c_1682854275475410.htm

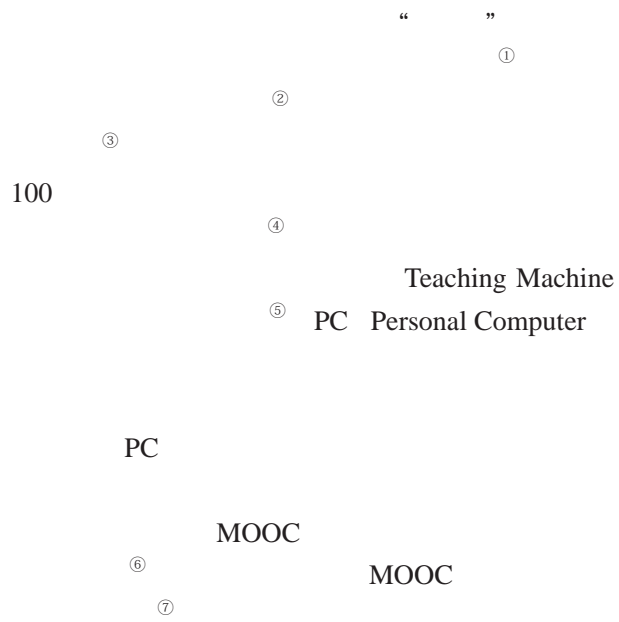
③ “ ” “ ” ChatGPT
 2023 2

④ David Pogue.AI Experts on Whether You Should be“ Terrified” of ChatGPT <https://www.cbsnews.com/news/ai-experts-on-chatgpt-artificial-intelligence-writing-program/>.

⑤ Poppy Wood.Oxford and Cambridge Ban ChatGPT Over Plagiarism Fears but Other Universities Choose to Embrace AI Bot <https://inews.co.uk/news/oxford-cambridge-ban-chatgpt-plagiarism-universities-2178391>.

⑥ ChatGPT http://www.cssn.cn/skwxstdt/gjhy/202304/t20230403_5617652.shtml

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- ① ChatGPT 2023 3
 - ② ChatGPT 2023 2
 - ③ Bill Gates.The Internet Will Displace the Traditional University in 5 Years https://www.openculture.com/2010/08/bill_gates_the_future_of_the_university.html.
 - ④ ChatGPT 2023 3 5
 - ⑤ Jan Leike Jeffrey Wu Steven Bills et al.Language Models Can Explain Neurons in Language Models <https://openai.com/research/language-models-can-explain-neurons-in-language-models>.
 - ⑥ Samantha Murphy Kelly.Elon Musk and Other Tech Leaders Call for Pause in“ out of control” AI Race <https://www.nytimes.com/2023/03/29/technology/ai-artificial-intelligence-musk-risks.html>.
 - ⑦ ChatGPT 2023 3 7
 - ⑧ Yoshua Bengio.How Rogue AIs May Arise <https://yoshuabengio.org/2023/05/22/how-rogue-ais-may-arise/>.
 - ⑨ ChatGPT “ ” <https://cnapp.chinadaily.com.cn/a/202302/16/AP63ed850ca310907a35015e3d.html>

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① A.Henry Kissinger Eric Schmidt et al.ChatGPT Heralds an Intellectual Revolution <https://www.henryakissinger.com/articles/chatgpt-heralds-an-intellectual-revolution/>.

② “ ChatGPT+” 2023 4

③ Cindy Moehring.The Human Need for Ethical Guidelines Around ChatGPT <https://walton.uark.edu/insights/posts/the-human-need-for-ethical-guidelines-around-chatgpt.php>.

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① Tatum Hunter.Why You Shouldn't Tell ChatGPT Your Secrets <https://www.washingtonpost.com/technology/2023/04/27/chatgpt-messages-privacy/>.
 ② ChatGPT 2023
 5
 ③ http://www.cac.gov.cn/2023-04/11/c_1682854275475410.htm
 ④ Brian Fung.ChatGPT Goes to Washington OpenAI CEO Sam Altman Testifies Before Congress on AI Risks <https://edition.cnn.com/2023/05/16/tech/sam-altman-openai-congress/index.html>.
 ⑤ Ryan Browne.Italy Became the First Western Country to Ban ChatGPT. Here's What Other Countries are Doing <https://www.cnbc.com/2023/04/04/italy-has-banned-chatgpt-heres-what-other-countries-are-doing.html>.
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① Megan Cerullo. Here's How Many U.S. Workers ChatGPT Says it Could Replace <https://www.cbsnews.com/news/chatgpt-artificial-intelligence-jobs/>.

② Pranshu Verma Gerrit De Vynck. ChatGPT Took Their Jobs Now They Walk Dogs and Fix Air Conditioners <https://www.washingtonpost.com/technology/2023/06/02/ai-taking-jobs/>.

③ https://content-static.cctvnews.com/snow-book/index.html?item_id=18148978652800045741&toc_style_id=feeds_default&share_to=wechat&track_id=58c97114-c00c-49ee-af3f-e955ac124a6f

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⑦ <http://www.las.cas.cn/zhxw/202302/P020230228397474449539.pdf> 2022 3

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② David Brooks.In the Age of A.I. Major in Being Human <https://www.nytimes.com/2023/02/02/opinion/ai-human-education.html>.

③ “ ChatGPT+”

2023 4

④ ChatGPT

http://www.cssn.cn/skwxsdt/gjhy/202304/t20230403_5617652.shtml

① ChatGPT ChatGPT

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①⑨ ChatGPT <https://news.sciencenet.cn/htmlnews/2023/2/493805.shtm>

② ChatGPT <https://news.sciencenet.cn/htmlnews/2023/2/493803.shtm>

③ Arianna Johnson.ChatGPT in Schools Here’s Where it’s Banned <https://www.theguardian.com/us-news/2023/jan/06/new-york-city-schools-ban-ai-chatbot-chatgpt>.

④ 2022 12

⑤ ChatGPT https://gjyjs.nit.edu.cn/__local/0/92/51/5A3C14083318594B2A77A5A4BA4_F235696D_3DE51.pdf

⑥ [] 1991 4

⑦ ChatGPT 2023 4

⑧ ChatGPT 2023 4

⑩ ChatGPT http://www.jyb.cn/rmtzgjyb/202304/t20230412_2111026740.html

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<https://www.163.com/dy/article/IOHKE2DF0516QHFP.html>

③ 2022 1

④ ChatGPT

2023 4

⑤ M.Alshater.Exploring the Role of Artificial Intelligence in Enhancing Academic Performance A Case Study of ChatGPT https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4312358.

⑥ ChatGPT 2023 2

⑦ “ 5G+ ” https://www.sohu.com/a/527266986_121124361

⑧ “ ” “ ” ChatGPT

2023 2

⑨ M.Alshater.Exploring the Role of Artificial Intelligence in Enhancing Academic Performance A Case Study of ChatGPT https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4312358.

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② Ray Ravaglia.ChatGPT Will Not Replace Teachers but Could Act as A Teaching Assistant <https://www.forbes.com/sites/rayravaglia/2023/03/31/chatgpt-will-not-replace-teachers-but-could-act-as-a-teaching-assistant/>.

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An Insignificant Event or a Major Crisis

School of Teacher Education Jiangsu University Zhenjiang Jiangsu 212013

Traditional education will encounter a new crisis with ChatGPT continuously invading the education system. Some believe that there is no need to take it seriously and choose to resist it or a wait-and-see attitude. The reasons behind this attitude include inertia in thinking and the lack of management systems for large language models such as ChatGPT which deprive people of their sense of security. In terms of the education system the educational self-consistency and substitution anxiety caused by ChatGPT will deconstruct the existing education goal system from with and without resulting in the reconstruction of an education goal system based on human freedom and comprehensive development. ChatGPT will promote the shift in knowledge production and learning and then use the re-evaluation of knowledge education value as the “fulcrum” to leverage the overall value re-evaluation of education promoting value creation with “people-oriented” and “high-level” education. ChatGPT will also trigger changes in student development and evaluation standards and methods promoting comprehensive innovation in the education evaluation system. As regards school education the transformation of knowledge learning will inevitably promote the space-time restructuring of school education as well as the innovation of school ecology transforming classroom teaching from “three-dimensional” to “four-dimensional” and this will further drive for the reshaping of teaching ecology process reengineering and classroom teaching revolution triggering changes in teacher roles work methods and development methods.

a Major Crisis ChatGPT Artificial Intelligence Large Language Models Education Invasion Impact Responses