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He has been engaged in advanced energy science and technology discipline development strategy research, energy science and technology policy research, science and technology innovation planning consulting research and information analysis theory, method and technology research. Currently, He is in charge of a number of special projects of document intelligence capacity building of Chinese Academy of Sciences, mainly focusing on integrated management methods and technologies of knowledge resources, data analysis and knowledge discovery methods and technology research.

He has hosted and participated in more than 30 national and provincial high-level strategic decision-making consulting research projects including national high-end think tank pilot major projects, Strategic research project of National Energy Administration, Chinese Academy of Sciences strategic pilot science and technology special project. In recent years, he has participated in many international professional academic conferences and delivered academic exchange reports at the conferences. He has published more than 30 papers in core academic journals at home and abroad, participated in the publication of more than 10 monographs/translations, and wrote many consulting reports which were adopted by Central Committee of the Communist Party of China and The General Office of the State Council. As the first accomplisher, he won the second prize of scientific and technological information achievements of Hubei province and the third prize of excellent achievements of energy soft science research of National Energy Administration.

Representative papers in recent years:

- [1] CHEN Wei, GUO Kaimo, YUE Fang. 2019. Analysis of Global Energy Technology Development and Its Strategic Implication. *Bulletin of Chinese Academy of Sciences*, 34(4):497-507.
- [2] Wei Chen, Jiangping Chen, Christopher Erdmann, Trevor Owens, Tao Jin, Mark Phillips. 2018. Can Research Librarians Make Contributions to Decision-making as Information Analysts? The Prospects and Challenges. In *JCDL 2018: Proceedings of 18th ACM/IEEE Joint Conference on Digital Libraries*, June 3-7, 2018, Fort Worth, TX, USA. ACM, New York, NY, USA: 317-318.
- [3] CHEN Wei, YANG Rui, HE Tao, WANG Shuo, CHEN Jiangping. 2018. New mode for scientific information analysis in the big data era. *Science & Technology Review*, 36(16):78-85.
- [4] CHEN Wei, WANG Shuo, ZHANG Fan, LI Fu-ling, WANG Qi. 2018. Development status analysis of coal to synthetic natural gas technology based on patents. *Natural Gas Chemical Industry*, 43(6):107-117.

- [5] Wei Chen, Rui Yang, Tao He, Shuo Wang, Jiangping Chen. 2017. An Integration-based Conceptual Framework for Scientific Information Analysis. World Scientific Book Chapters, in: Knowledge Discovery and Data Design Innovation Proceedings of the International Conference on Knowledge Management (ICKM 2017), chapter 15, pages 283-300 World Scientific Publishing Co. Pte. Ltd.
- [6] CHEN Wei, WANG Shuo, MA Tingcan. 2017. Patent Analysis on Key Technologies of Methanol to Gasoline. World Sci-Tech R & D, 39(6):475-482.
- [7] CHEN Wei. 2016. Research on Advanced Research Projects Agency: Energy Management Innovation in the United States and Its Implications for China. Science of Science and Management of S.& T, 37(11):20-33.
- [8] CHEN Wei, MA Tingcan. 2015. Patent Information Analysis on Circulating Fluidized Bed. Science and Technology Management Research, 35(7),146-151.
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