Liu Yanli, Female, graduated from the Department of physics of Northeast Normal University in 2004 with a bachelor's degree; graduated from Institute of Electrics, Chinese Academy of Sciences with a doctor's degree in engineering in 2009; she studied at University of Cincinnati as a visiting scholar in 2018. She worked as a staff member and deputy research librarian of the Discipline Consulting Service Department of the National Science Library, Chinese Academy of Sciences during 2009 to 2014 and 2014 to 2016 respectively. Since 2016, she has been working at the National Science Library, Chinese Academy of Sciences as deputy director and deputy research librarian. Since 2015, she has served as a post teacher of the University of Chinese Academy of Sciences. Since 2011, she has successively taught courses more than 200 class hours of information retrieval and scientific data management in the school of electronics, school of computer communication, and school of earth sciences of the University of Chinese Academy of Sciences.

As the person in charge of the project, the person in charge of sub projects and the person in charge of coordination, she has undertaken or participated in more than ten provincial and ministerial level scientific research projects, including the special project of information ability of the Chinese Academy of Sciences, the special project of intellectual property rights of the Chinese Academy of Sciences, the Patent Office of the State Intellectual Property Office, the National Science and Technology Library, the young talents project of the National Science Library, Chinese Academy of Sciences, and the project entrusted by the research institute of the Chinese Academy of Sciences. She has organized and participated in more than 30 reports, patent layout such as "3D printing patent technology situation analysis report", "patent layout analysis of 3D systems company", "analysis of patent technology in rare earth field", "US and India software industry policy research and analysis report", "XX key experimental academic output and comparative analysis report of competition institution". She has published more than 20 papers, including 2 SCI papers, 2 papers included in EI, applied for 2 Chinese patents and authorized 1, and won the second prize of the academic annual meeting of the professional library branch of the Chinese Library Society.

Introduction to research direction

Discipline information research is a discipline strategic information research to determine the development direction of science and technology activities and discipline development planning in a specific discipline or field. It mainly carries out the research on the theory, method and technology of discipline information in the strategic frontier science and technology field, including hot spot technology analysis, important technology identification and frontier technology foresight, and explores the application of new information technology means in the above-mentioned fields; it uses various types of information resources and combines quantitative and qualitative methods to carry out the analysis of scientific and technological situation and discipline information research on development, discipline development strategy, and so on.

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