Liu Huizhou, a researcher. Director of the National Science Library, Chinese Academy of Sciences. Doctoral Supervisor; Director of the Green Process and Engineering Laboratory of the Chinese Academy of Sciences, and Chief of the Green Separation Engineering and Environmental Biotechnology Innovation Team. As a chief in a project named 973 (2007-2017), winner of the National Outstanding Youth Fund (1999), national “100 Million Talent Project” national-level candidate (1997), Central Organization Department “Million Plan” (2013). He is also the deputy editor of Chemistry (Huaxue Tongbao), co-editor of Data Intelligence and deputy editor of the Journal of Chemical Industry, and editorial board of the international journal Separation Purification Technology.

The main research direction is the separation of scientific and engineering research. Mainly engaged in microemulsion interface and structure, develop green separation method, research new high-efficiency separation technology, in recent years, mainly carry out separation of biochemical products and separation and purification of multi-metal complex systems. A new mechanism of microemulsion phase extraction and separation was proposed, and the new three-phase extraction process and nano-structure interface were studied in depth. In recent years, he has chaired and undertaken research projects such as the National 973 Program, the National 863 Program, and the National Natural Science Major Fund and the Natural Science Chemical Equipment Development. He has published more than 280 papers in important academic journals such as AIChE J and Langmuir, and has cited more than 8,000 times, translated 2 books, and co-authored 6 books, including Microemulsion Phase Extraction Technology and Applications (2005, Science Press), authorized more than 100 invention patents in China, and more than 10 achievements have been industrialized.

Awards and honors: 1st National Technology Invention Second Prize (2014), 1st Prize (2011) and 2nd Prize (2010) of China Petroleum and Chemical Industry Federation Science and Technology Progress Award The second prize of the Beijing Science and Technology Award (2007), the first "Outstanding Youth of the Chinese Academy of Sciences" (1997).

Major projects undertaken and completed in recent years:

1. National 973 project -- Basic research on efficient and clean comprehensive utilization of mineral gold/black metal scarce mineral resources

2. National 973 project -- Basic research on petroleum microbial desulfurization

3. National Natural Science Foundation Special Fund - Development of a new three-phase continuous extraction equipment and process automatic control system.

4. National Natural Science Foundation of China - Research on selective mass transfer mechanism and new technology of biochemical separation based on nano-micro interface regulation

5. National Outstanding Youth Fund - Block-type high polymer micelle extraction mechanism and related technology basic research

6. Research on the Important Direction of Knowledge Innovation Engineering of Chinese Academy of Sciences-Efficient Utilization of Rare Earth Resources

7. Research on the Optimization and Enlargement of the Production of Natto Short Peptides by Enzymatic Hydrolysis of Chickpeas

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