

Curriculum Vitae (ZHANG Jianjun)

ZHANG Jianjun, director of National ODS alternative Engineering and Technology Research Center and also the director of State Key Laboratory of Replacement and Control of Fluorinated Greenhouse Gas, which plays a leading role in research of ODS phase-out and development of ODS alternatives in China. Having engaged in research and development of ODS alternatives for more than 28 years and developing manufacturing processes for HCFCs, HFCs as well as HFOs following the international progress on ODS phase-out, currently I serve as an expert in TEAP and co-chair of MCTOC since 2014.

Education :

M.Sc in Chemical Engineering

Beijing University of Chemical Technology, 1991

B.Sc in Chemical Engineering

Zhejiang University of Technology

Working Experience:

Aug.2016 -Current Professor & General Manager, Zhejiang Chemical Industry
Research Institute Co. Ltd

Feb.2009 – Aug.2016 Professor & Deputy General Manager, Zhejiang Chemical
Industry Research Institute Co. Ltd

Oct.2000 – Feb.2009 Vice Chief Engineer, Zhejiang lantian Environmental
Protection Hi-tech Co. Ltd.

April 1991-Oct.2000 Researcher, Zhejiang Chemical Industry Research Institute

Sep. 1985-Sep. 1988 Assistant Engineer, Zhejiang Ningbo Electro-chemical
Factory

July. 1999- Aug. 2000 Visiting Scholar in industry catalysis, Delft University of
Technology (The Netherlands)

July.1994-Feb. 1995 JACA Training Program in Catalysis, Hokkaido University
(Japan)

Publications and Patents:

During my research career, I have published 59 papers and applied for 37 patents, mostly on process development of ODS alternatives and their applications. Recent publications in English are as follows:

1. W. Han, Y. song, W. Liu, L. Yang, H. Tang, S.wang, Z.wu and Jianjun Zhang ,
Promotion of O₂ on the co-pyrolysis of CHF₃ and CH₄ for VDF synthesis.
Greenhouse Gas Sci Technol. 00:1-12(2017)
2. W. Han, J.Wang, L. Chen, L. Yang, S.wang, H. Tang, W.Liu, W. Song, Jianjun
Zhang, Y. Li, H. Liu, Reveting fluoroform back to chlorodifluoromethane and
dichlorofluoromethan: Intermolecular Cl/F exchange with chloroform at moderate
temperatures. Chemical Engineering Journal 355:594-601 (2019)
3. J.Wang, W. Han, S. Wang, H. Tang, W. Liu, Y. Li, C. Lu, Jianjun Zhang, E. M.
Kennedy and X. Li, Synergistic catalysisi of carbon partitioned LaF₃-BaF₂
composite for the coupling with CH₃ to VDF. Catalysis Sci. Tech. 6(1):1-13(2016)
4. Y. Chen, J.Wangle, W. Han, Y. song, W. Liu, L. Yang, H. Tang, S.wang, Z.wu,
Jianjun Zhang, E. M. Kennedy, Catalytic coupling of CH₄ with CHF₃ for the
synthesis of VDF over LaOF catalyst. Greenhouse Gas Sci Technol. 00:1-16(2018)