

JIA Xinfeng

Ph.D., Assistant Professor

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Education

Ph.D., Petroleum Engineering, University of Regina (Canada), 2014

M.S., Research Institute of Petroleum Exploration and Development (China), 2009

B.S., Petroleum Engineering, Southwest Petroleum University (China), 2006

Research Areas and Interests

Heavy Oil Cold and Thermal Recovery Technics

Heat/Mass/Pressure Transfer

Foamy Oil Flow

Fluid Flow in Tight Oil Reservoirs

Teaching

Petrophysics

Professional Experiences

2014.07-2016.12, Research associate, University of Calgary, Canada

2017.01-present, Assistant Professor, Department of Petroleum Engineering, China University of Petroleum (Beijing), China

Other Professional Affiliations

Member of Society of Petroleum Engineers

Member of Canada Heavy Oil Association

Selected Publications

- X. Jia, Q., Wang, R. Lin, J. Li, Z. Chen (2016). Transient Convective Heat Transfer in a Steam-Assisted Gravity Drainage (SAGD) Process. Journal of Petroleum Science and Engineering, MSID: PETROL8987 (Under review)
- X. Jia, J. Li, and Z. Chen (2015). Mathematical Modeling of Dynamic Mass Transfer in Cyclic Solvent Injection, SPE Journal, MS ID: SJ-0615-0057 (under review).
- X. Jia, F. Zeng, and Y. Gu (2015). Gasflooding-Assisted Cyclic Solvent Injection for Enhancing Heavy Oil Recovery. Fuel, 140 (2015): 344–353.
- X. Jia, F. Zeng, and Y. Gu (2014). Dynamic Solvent Process (DSP) for Enhancing Heavy Oil Recovery. The Canadian Journal of Chemical Engineering, 93 (5): 1-10.
- X. Jia, F. Zeng, and Y. Gu (2014). A New Mathematical Model for the Solvent Chamber Evolution in the Vapor Extraction Process. Journal of Porous Media, 17 (12): 1093-1108.

- X. Jia, F. Zeng, and Y. Gu (2013). Semi-Analytical Solutions to a One-Dimensional Advection–Diffusion Equation with Variable Diffusion Coefficient and Variable Flow Velocity. *Applied Mathematics and Computation*, 221 (2): 268-281.