

Yue Xiang'an

Professor

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Education

PhD., Fluid Mechanics, University of Science and Technology
M. S. Petroleum Engineering, Petrochemical Engineering, Dalian University of Technology (1994)
B. S. Mechanical Engineering, Petrochemical Engineering, Dalian University of Technology (1998)

Research Areas and Interests

Enhanced Oil Recovery
Microscale Fluid Science (Microscale Phenomena, Dynamic Scale
Physicochemistry, Microscale Interfacial and Transport Phenomena in Porous Media)
Transporous media.

Petroleum Courses Taught

Fundamentals of Enhanced Oil Recovery
Industrial Rheology
Fluid Mechanics

Professional Experiences

Professor, College of Petroleum Engineering, China University of Petroleum (2000-present)
Visiting Scholar, Dalhousie University, Canada (2000-2002)
Professor, College of Petroleum Engineering, Northeast Petroleum Institute (1999-2002)
Associate Professor, College of Petroleum Engineering, Northeast Petroleum Institute (1994-1999)
Assistant Professor, College of Petroleum Engineering, Northeast Petroleum Institute (1991-1994)

Key Appointments

Member, State Key Laboratory of Offshore Oilfield Exploitation (2011-2013)
Member, Sinopec Group Key Laboratory of Chemical Process Engineering (2013-2015)
Member, Sinopec Group Key Laboratory of, Major Process Engineering (2013-2015)
Member, Expert Committee of, 2013-2015
Member, Editorial Board of, Petroleum Science (2013-present)

Member Editorial Board of Geology and Petroleum Recovery Efficiency
Member Editorial Board of Offshore Oil and Gas

Professional Affiliations

Society of Engineering Geology
Chinese Petroleum Society
China Energy Society

Awards and Honors

Special government Award for Scientific and Technological Progress
Outstanding Achievement Award, 1995 Province

Selected Publications

- Wenqiang An, Xiang'an Yue, Xuegang Feng, Joseph Yuchun Wu, Zou Xiwei, Fang J. Non-Klinkenberg slippage phenomenon at high pressure for pressure gas permeability measurement system. Journal of Natural Gas Science and Engineering, 2017, 56: 62
- Wenqiang An, Xiang'an Yue, Xuegang Feng, Xin Fang. The theory in tight reservoir cores with high pressure. Journal of Natural Gas Science and Engineering, 2016, 33: 7331
- Jie He, Xiang'an Yue, Xuegang Feng, Xin Tan. Preparation of Poly(methyl Methacrylate) Microspheres in a Low Toxicity Solvent by Dispersion Polymerization. Journal of Polymer Science Part A: Polymer Chemistry, 2015, 53(12): 3162-3171
- Qingmin Zhao, Xiang'an Yue, Fei Wang, and Kun Li. Study on the real gas in microtubes. Journal of China University of Petroleum (Beijing), 2016, 40(4): 313-319
- Xiang'an Yue, Fei Wang, Ming Tang, Yu Zhang, Wenliang Wang. Study on flow characteristics of gas in microtubes. Journal of Natural Gas Science and Engineering, 2016, 43(1): 90
- Haoguang Wei, Xiang'an Yue, Yongpan Zhao, Jianhua He. Study on the nature of gas immiscible displacement in porous media. Acta Geologica Sinica, 2011, 32(2): 307
- Jiang-Li, Yue Xiang, Chen Fei. Determination of rate constants for the degradation of aromatic pollutants by density functional theory. Environmental Science and Technology, 2015, 49(5): 2495
- Xiang'an Yue, Haoguang Wei. Study on gas permeability in porous media. Transport in Porous Media, 2010, 85(1): 3-15
- Fei Wang, Xiang'an Yue, Wenliang Wang, Huai Zhu Liu, Ruisi Tang. Influence of water on the flow characteristics of gas in tight reservoirs. Petroleum Science, 2010, 31(2): 302
- Jianliang, Xiang'an Yue, Qiufen Chen, Zhen Gao. Determination of rate constants of aromatic pollutants and QSAR study. Bulletin of Environmental Contamination and Toxicology, 2012, 85: 568
- Yuan You, Xiang'an Yue, Zhen Gao, Bing Fang. Evaluation and

- system resistance characteristics in reservoir porous
Petroleum (Edition of Natural Science). 2010, 34(5): 94
12. Wang Fei, Yue Xiang'an, Shao Liang, Li Jing, Zhao Renbao, Hou Jirui. Wettability on flow characteristics of water through microtubes. Chinese Science Bulletin. 2009, 54(12): 2622-2625.
 15. WANG Rui, Yue Xiang'an, ZHANG Weiqun, ZHANG Fei. Effect of timeslag and loading rate on low permeability reservoir. Mining Science and Technology. 2010, 30(1): 53-56.
 16. Wang Rui, Yue Xiang'an, Zhao Renbao, Yan Pingxiang, Dong Dexin. On displacement of oil in low permeability reservoir. Chinese Science Bulletin. 2009, 54(3): 277-280.
 17. You Yuan, Yue Xiang'an, Li Mingyi, Zhao Chunpeng, Zhang Chun. Production performance of low permeability porous media. Petroleum Science and Technology. 2009, 22(4): 425-428.
 18. Renbao Zhao, Xiang'an Yue, Wenqi Ke, Yongli Hou. Study on nitrogen foam system. Acta Petrolei Sinica. 2009, 30(1): 87-90.
 19. Zhao Renbao, Yue Xiang'an, Wu Yaonong, Shi Hongyi, He Huiyong. Flow characteristics and reaction properties of carbon dioxide in microtubes. Chinese Science Bulletin. 2009, 54(21): 3409-3412.
 20. Xu Shaoliang, Yue Xiang'an, Hou Jirui. Experimental investigation on flow characteristics of deionized water in microtubes. Chinese Science Bulletin. 2007, 52(6): 849-854.
 21. Shaoliang Xu, Xiang'an Yue. Research on nonlinear flow characteristics in low permeability reservoir. Journal of China University of Petroleum. 2007, 31(5): 63-66.
 22. Li Dexin, Yue Xiang'an, Wang Lianming. Model study on the effect of water saturation by centrifuge experiments. Journal of China University of Petroleum. (2006)8:27-31.

Selected Patents

1. Yue Xiang'an, He Jie. A preparation method of artificial microtubules. Patent No. ZL 2013 1 0252919.5.
2. Yue Xiang'an, Dong Lifei, Su Qun, Qin Wei, Song Weixin. A method for improving the performance of the conformance control agent gel. China Patent No. ZL 2015 1 0103256.X.
3. Yue Xiang'an, Wei Qi, Zhang Li, Jiang Fang, Xu Juegang. A method for measuring the permeability of low permeability reservoirs. China Patent No. ZL 2015 1 0178391.0.
4. Yue Xiang'an, Wang Wenqun, Xu Juegang, Zou Jirui, Li Dan. A method for high pressure gas sampling analysis. China Patent No. ZL 2015 1 0082480.7.
5. Yue Xiang'an, Zou Fei, Xu Juegang, Wang Wenqun, Zhang Junbin, Zhao Wenhao, Fang Wei. A method for improving the performance of the conformance control agent gel. China Patent No. ZL 2016 1 1041181.8.
6. Yue Xiang'an, Xu Juegang, Zhang Li, Jiang Fang, Xu Juegang, Zou Jirui, Li Dan. A method for high pressure gas sampling analysis. China Patent No. ZL 2016 1 1041181.8.
7. Yang Changchun, Yue Xiang'an, Zhang Li, Jiang Fang, Xu Juegang, Zou Jirui, Li Dan. A method for high pressure gas sampling analysis. China Patent No. ZL 2016 1 1041181.8.

8. An Wei, Yu en gXi angTi'aan Wen ha F, en Xiang Wang Xin, Zou Ji rui .
High pressure dynamic mi gauge .di 2016 ent Cihá In a p r a s e n t e No .
1271428.5.

Monograph and Text book

1. Xi angôan Yue, Youfu Wang, Kel iang Wang. Fundamentals o
Industry Press, 2007
2. Xi angôan Yue. Fun-~~da me n t a l~~ o f l o w i q u e d r o l e u m I n d u s t r y P r
same place
3. Xi angôan Yue. P r i n c i p l e s o f n e w t o n i a n d i a p p l i c a t i o n i n e l e c t r o n i c i n d u s t r y P
Newton and applied in electronic industry P
1996