

Dr. Yongfei Yang

Associate Professor

School of Petroleum Engineering, China University of Petroleum (East China),
No.66, Changjiang West Road, Huangdao District of Qingdao City,
Shandong Province, China, 266580

Tel.: +86-186 5321 6342

Fax: +86-532 8698 1936

Email: yangyongfei@upc.edu.cn

Education and Professional Career

Since 2015 **Associate Professor**, Reservoir Engineering, China University of Petroleum (East China), Qingdao, China

2010-2015 **Lecturer**, Reservoir Engineering, China University of Petroleum (East China), Qingdao, China

2008-2009 **Visiting Joint PhD**, Petroleum Engineering, Heriot-Watt University, Scotland, UK

2007-2010 **PhD** Reservoir Engineering, China University of Petroleum (East China), Qingdao, China

2004-2007 **MSc** Enhanced Oil Recovery and Oilfield Chemistry, China University of Petroleum (East China), Qingdao, China

2000-2004 **BSc** Petroleum Engineering, University of Petroleum (East China), Dongying, China

Commitment, Appointments and Scientific Volunteer Jobs

2018- Associate Editor, Journal of Natural Gas Science and Engineering

2019- Editorial Board, Journal of Petroleum Science and Engineering

2018- Editorial Board, International Journal of Oil, Gas and Coal Engineering

2022 Co-chair of Local Committee of InterPore 2022 in Qingdao

2017- Secretary-general of the InterPore China Chapter

2014- Life Member of the Society of Core Analysts (SCA)

2014- Member of the Society of Petroleum Engineers (SPE)

2015- China National Natural Science Foundation, Project Reviewer

Professional Awards, Offers and Recognitions

Scientific Awards

2014 The second prize of Qingdao Science and Technology Progress award, 1/1

2014 The second prize of Science and Technology Progress award of the Federation of China's Petroleum and Chemical Industry, 2/10

2015 The second prize of Dongying Science and Technology Progress award, 2/9

2009 The second prize of Outstanding Scientific Research Achievements of Shandong University

2009 The second prize of University's Outstanding Scientific Research Achievements

Teaching Awards

2020 The second prize of University's Outstanding Teaching Achievements award, 1/9

2019 The grand prize of University's Teaching Achievements award, 11/24

2017 Excellent teachers of China University of Petroleum

2017 The first prize of University's Outstanding Teaching Achievements award, 13/15

2017 The second prize of University's Outstanding Teaching Achievements award, 4/10

2017 The second prize of University's Outstanding Teaching Achievements award, 6/8

2014 The third prize of High Educational Teaching Achievements award of Shandong Province, 3/9

Most important Publications (maximum 10)
(Peer reviewed journal articles / books / patents)

- [1] **Yang Yongfei***, Li Yingwen, Yao Jun, Iglauer Stefan, Luquot Linda, Zhang Kai, Sun Hai, Zhang Lei, Song Wenhui, Wang Zhiyu. Dynamic pore-scale dissolution by CO₂-saturated brine in carbonates: Impact of homogeneous versus fractured versus vuggy pore structure[J]. *Water Resources Research*, 2020, 56(4): e2019WR026112.
- [2] **Yang Yongfei***, Tao Liu, Yang Haiyuan, Iglauer Stefan, Wang Xin, Askari Roohollah, Yao Jun, Zhang Kai, Zhang Lei, Sun Hai. Stress sensitivity of fractured and vuggy carbonate: an X-ray computed tomography analysis[J]. *Journal of Geophysical Research-Solid Earth*, 2020, 125(3): e2019JB018759.
- [3] **Yang Yongfei***, Liu Jie, Yao Jun, Kou Jianlong, Li Zheng, Wu Tianhao, Zhang Kai, Zhang Lei, Sun Hai. Adsorption behaviors of shale oil in kerogen slit by molecular simulation[J]. *Chemical Engineering Journal*, 2020, 387 : 124054.
- [4] **Yang Yongfei***, Wang Ke, Zhang Lei, Sun Hai, Zhang Kai, Ma Jingsheng. Pore-scale simulation of shale oil flow based on pore network model[J]. *Fuel*, 2019, 251(September) : 683-692.
- [5] **Yang Yongfei***, Tao Liu, Iglauer Stefan, Hejazi S. Hossein, Yao Jun, Zhang Wenjie, Zhang Kai. Quantitative statistical evaluation of micro residual oil after polymer flooding based on X-ray micro computed-tomography scanning[J]. *Energy & Fuels*, 2020
- [6] **Yang Yongfei***, Li Yingwen, Yao Jun, Zhang Kai, Iglauer Stefan, Luquot Linda, Wang Zengbao. Formation damage evaluation of a sandstone reservoir via pore-scale X-ray computed tomography analysis[J]. *Journal of Petroleum Science and Engineering*, 2019, 183 : 106356.
- [7] **Yang Yongfei**, Yao Jun*, Wang Chenchen, Gao Ying, Zhang Qi, An Senyou, Song Wenhui. New pore space characterization method of shale matrix formation by considering organic and inorganic pores[J]. *Journal of Natural Gas Science and Engineering*, 2015, 27(P2): 496-503.
- [8] **Yang Yongfei***, Yang Haiyuan, Tao Liu, Yao Jun, Wang Wendong, Zhang Kai, Luquot Linda. Microscopic determination of remaining oil distribution in sandstones with different permeability scales using computed tomography scanning[J]. *Journal of Energy Resources Technology*, 2019, 141(9): 092903-1-11.
- [9] **Yang Yongfei***, Zhang Wenjie, Gao Ying, Wan Yujin, Su Yunhe, An Senyou, Sun Hai, Zhang Lei, Zhao Jianlin, Liu Lei, Liu Pengfei, Liu Zhihui, Li Aifen, Yao Jun*. Influence of stress sensitivity on microscopic pore structure and fluid flow in porous media[J]. *Journal of Natural Gas Science and Engineering*, 2016, 36(Part A): 20-31.
- [10] **Yang Yongfei**, Wang Chenchen, Yao Jun*, Gao Ying. A new voxel upscaling method based on digital rock[J]. *International Journal for Multiscale Computational Engineering*, 2015, 13(4): 339-346.