

Jingqiang Tan

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Research Interests

Shale gas and oil; petroleum geology and geochemistry; sulfur analysis for source and reservoir rocks.

Google Scholar: <https://scholar.google.com/citations?user=CvoS8T0AAAAJ&hl=en>

Researchgate: https://www.researchgate.net/profile/Jingqiang_Tan

Education

- 08/2010-05/2014:** Ph.D. Petroleum Geology and Geochemistry
GFZ-German Research Centre for Geosciences, Potsdam, Germany
and Technical University of Berlin, Berlin, Germany
- 09/2006-07/2009:** M.Sc., Structural Geology, Chinese Academy of Sciences, Beijing, China
- 09/2002-07/2006:** B.Eng., Geological Engineering, Central South University, Changsha, China

Employment

- 12/2014-present:** Postdoctoral Fellow, University of Houston, Texas, The United States
- 08/2010-12/2014:** Shale Gas Geologist, German Research Centre for Geosciences, Potsdam, Germany
- 08/2009-07/2010:** Research Assistant, Chinese Academy of Sciences, Beijing, China

Project

- 1) **2015-2017:** Sulfur forms separation and quantification of source and reservoir rocks (Jingqiang Tan and Adry Bissada);
- 2) **2015-2017:** Sulfur forms analysis of heavy oil reservoirs (Jingqiang Tan and Adry Bissada);
- 3) **2015-2017:** The organic geochemical characterization for highly matured marine shales in South China, phase I: thermal evolution and maturation of organic matter, 22 000 Dollars (Jingqiang Tan and Adry Bissada);
- 4) **2010-2014:** Gas Shales in the Upper Yangtze Platform, South China: Considerations of Gas-in-Place and Fraccability, Founded by Statoil, 250 000 Euros (Jingqiang Tan and Brian Horsfield);
- 5) **2009-2010:** 973-National Basic Research Program of China: Coal Bed Methane Evaluation;
- 6) **2006-2009:** 973-National Basic Research Program of China: Deep Coal Resources Evaluation.

Award

- 1) **2015:** Outstanding Reviewer, awarded by Marine and Petroleum Geology;
- 2) **2013:** Chinese Government Award for Outstanding Self-Financed Students Abroad;
- 3) **2010-2014:** Fully funded PhD program, GFZ-Potsdam;
- 4) **2006-2009:** Excellent student/graduate, Chinese Academy of Sciences;
- 5) **2002-2006:** First class scholarship/Excellent student, Central South University.

Journal service

- 1) 2013- Reviewer, *Marine and Petroleum Geology*;
- 2) 2013- Reviewer, *Energy & Fuels*;
- 3) 2014- Reviewer, *Fuel*;
- 4) 2015- Reviewer, *Journal of Natural Gas Science and Engineering*;
- 5) 2015- Reviewer, *Canadian Journal of Earth Sciences*;
- 6) 2016- Guest Editor, *Journal of Nanoscience and Nanotechnology*;
- 7) 2016- Guest Editor, *Interpretation*;
- 8) 2016- Reviewer, *Microporous and Mesoporous Materials*;
- 9) 2016- Reviewer, *AAPG Bulletin*.

Peer-Reviewed Publication

- 1) Junping Zhou, Hong Yin, **Jingqiang Tan**. Pore structural characterization of shales treated by sub-critical and supercritical CO₂ exposure. *Journal of Nanoscience and Nanotechnology*, 2016 in submission.
- 2) Junping Zhou, Qili Liu, **Jingqiang Tan**. Pore structure and adsorption characteristics of marine and continental shale in China. *Journal of Nanoscience and Nanotechnology*, 2016 in submission.
- 3) Ankun Zhao, Zihui Lei, Qian Yu, **Jingqiang Tan**. Geological and Microstructural Characterization of the Wufeng-Longmaxi Shale in the Basin-Orogen Transitional Belt of North Guizhou Province, China. *Journal of Nanoscience and Nanotechnology*, 2016 in submission.
- 4) Adry Bissada, **Jingqiang Tan**, Ewa Szymczyk, Mike Darnell, Mei Mei. Group-type characterization for crude oil and bitumen, part I: The enhanced separation and quantification of saturates, aromatics, resins and asphaltenes (SARA fractions). *Organic Geochemistry*, 2016, 95, 21-28.
- 5) Adry Bissada, **Jingqiang Tan**, Ewa Szymczyk, Mike Darnell, Mei Mei. Group-type characterization for crude oil and bitumen, part II: The separation and quantification of normal paraffins, iso-paraffins and naphthenes of the saturated fraction. *Fuel*, 2016, 173, 217-22.
- 6) **Jingqiang Tan**, Brian Horsfield, Nicolaj Mahlstedt, et al. Natural gas potential of Neoproterozoic and Lower Paleozoic marine shales in the Upper Yangtze Platform, South China: Geological and organic geochemical characterization. *International Geology Review*, 2015, 57,3:305-326.
- 7) Holing Bu, Yiwen Ju, **Jingqiang Tan**, Guochang Wang. Fractal characteristics of pores of non-marine organic shale in the Upper Yangtze Platform, South China. *Journal of Natural Gas Science and Engineering*, 2015, 24:166-177.
- 8) Jianhua Li, Zhili Ma, Yueqiao Zhang, Shuwen Dong, **Jingqiang Tan**. Tectonic evolution of Cretaceous extensional basins in Zhejiang Province, eastern South China: structural and geochronological constraints. *International Geology Review*, 2014, 56, 13:1602-1629.
- 9) **Jingqiang Tan**, Brian Horsfield, Bernhard Krooss, et al. Shale Gas Potential of the Major Marine Shale Formations in the Upper Yangtze Platform, South China, Part II: Methane Sorption Capacity. *Fuel*, 2014, 129, 204-218.
- 10) **Jingqiang Tan**, Brian Horsfield, Jinchuan Zhang, et al. Shale Gas Potential of the Major Marine Shale Formations in the Upper Yangtze Platform, South China, Part III: Lithofacial, Petrophysical, and Rock Mechanical Properties. *Energy & Fuels*, 2014, 28, 2322-2342.
- 11) **Jingqiang Tan**, Brian Horsfield, Nicolaj Mahlstedt, et al. Physical Properties of Petroleum Formed During Maturation of Lower Cambrian shale in the Upper Yangtze Platform, South China, as inferred from Phase Kinetics Modelling. *Marine and Petroleum Geology*, 2013, 48, 47-56.
- 12) **Jingqiang Tan**, Yiwen Ju, Wanming Yuan, et al. Thermochronological structural evolution of the Huaibei coalfield in eastern China: constraints from zircon fission-track data. *Radiation Measurements*, 2011, 46, 183-189.
- 13) **Jingqiang Tan**, JU Yiwen, HOU Quanlin, et al. Heat flow and its effects on coalbed gas in the central-south area of the Huaibei coalfield, eastern China. *Sci China Earth Sci*, 2010, 53, 672-682.

- 14) **Jingqiang Tan**, JU Yiwen, HOU Quanlin, et al. Distribution Characteristics and Influential Factors of the Present Geo-thermal Field in the Su-Lin Mine Area, Huaibei Coalfield. *Ch. J Geophys*, 2009, 52, 3, 732-739.
- 15) **Jingqiang Tan**, JU Yiwen, ZHANG Wenyong, et al. Structure Controls on the Present Geo-thermal Field in the Su-Lin Mine Area, Huaibei Coalfield. *Journal of Coal Society*, 2009, 34, 4, 449-454.
- 16) Luo Yi, Ju Yiwen, **Jingqiang Tan**. Characteristics of the present geothermal field and prediction of its thermal damage in the Suntuan-Zhaoji exploration area, Huaibei Coalfield. *Journal of the Graduate School of the Chinese Academy of Sciences*, 2011, 28(6):734-739.
- 17) Fan Junjia, Ju Yiwen, Hou Quanlin, **Jingqiang Tan**. Pore structure characteristics of different metamorphic-deformed coal reservoirs and its restriction on recovery of coalbed methane. *Earth Science Frontiers*, 2010, 17(5):325-335.
- 18) Ju Yiwen, Fan Junjia, **Jingqiang Tan**, et al. Basin-mountain evolution, lithosphere transformation and their relationship with Coalbed methane accumulation in North China. *Coal Geology of China*, 2009, 21(3):1-5.
- 19) Ju Yiwen, **Jingqiang Tan**, Hou Quanlin, et al. Research Situation and Development Trend of Coalbed Rheology. *Coal Geology of China*, 2008, 20(10):7-10.