Kofi Ohemeng Kyei Prempeh

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RESEARCH

Areas Ocean Engineering · Mechanical Engineering · Epidemiology · Infectious Diseases · Modeling and Simulation · Nuclear and High Energy Physics

RESEARCH SUMMARY

4	19	1	1	1.72	25%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 4 publications listed below, 2004–2022. Field-weighted impact is the mean over the 4 works scored for it; 1.00 is the world average for works of the same field, type and year. 1 of the 4 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Academic Staff Member 2025–present
School of Chemical Engineering, The University of Adelaide, Adelaide, Australia

EDUCATION AND QUALIFICATIONS

PhD. 2022–present
Petroleum Engineering, University of Adelaide, Adelaide, Australia

M.Phil. Scientific Computing and Industrial Modeling 2014–2017
Mathematics, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

B.Sc. Petroleum Engineering 2009–2013
Petroleum Engineering, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

PUBLICATIONS

Journal articles 3

1. **Kofi Ohemeng Kyei Prempeh**, George Parker-Lamptey, Henry Martin, Peter Amoako-Yirenkyi (2022). Boltzmann transformation of radial two-phase black oil model for tight oil reservoirs. *Journal of Petroleum Exploration and Production Technology*. https://doi.org/10.1007/s13202-022-01528-8
2. Gloria Gyanfi, Wilberforce Nkrumah Aggrey, Ernest Ansah Owusu, **Kofi Ohemeng Prempeh** (2019). Polymer Optimisation- Shear Thinning or Thickening? *Asian Journal of Applied Sciences*. https://doi.org/10.24203/ajas.v7i4.5808
3. Gyamfi, Yaw, **Prempeh, Kofi**, Adomaa, Ameyaw, Ofori, Kwame (2004). Methodological Evaluation of Public Health Surveillance Systems in Ghana Using Multilevel Regression Analysis to Measure Efficiency Gains. *Zenodo (CERN European Organization for Nuclear Research)*. https://doi.org/10.5281/zenodo.18781059

Conference papers 1

1. **Kofi Prempeh**, Larissa Chequer, Alexander Badalyan, Pavel Bedrikovetsky (2020). Effects of Kaolinite on Fines Migration and Formation Damage. *SPE International Conference and Exhibition on Formation Damage Control*. https://doi.org/10.2118/199293-ms