# TABLE OF CONTENTS PAGE

## ARTICLES - BEST OF THE SOCIETY OF CORE ANALYSTS 2019

### INTERNATIONAL SYMPOSIUM

**Determination of Critical Gas Saturation by Micro-CT**  
Steffen Berg, Ying Gao, Apostolos Georgiadis, Niels Brussee, Ab Coorn, Hilbert van der Linde, Jesse Dietderich, Faruk Omer Alpak, Daniel Eriksen, Miranda Mooijer-van den Heuvel, Jeff Southwick, Matthias Appel, and Ove Bjørn Wilson  
PAGES 133–150; 21 FIGURES; 1 TABLE  
REFERENCE: [www.doi.org/10.30632/PJV61N2-2020a1](www.doi.org/10.30632/PJV61N2-2020a1)

**A New Apparatus for Coupled Low-Field NMR and Ultrasonic Measurements in Rocks at Reservoir Conditions**  
Paul R.J. Connolly, Joël Sarout, Jérémie Dautriat, Eric F. May, and Michael L. Johns  
PAGES 151–161; 6 FIGURES; 1 TABLE  
REFERENCE: [www.doi.org/10.30632/PJV61N2-2020a2](www.doi.org/10.30632/PJV61N2-2020a2)

**Low-Permeability Measurement on Crushed Rock: Insights**  
Sandra Profice and Roland Lenormand  
PAGES 162–178; 19 FIGURES; 7 TABLES  
REFERENCE: [www.doi.org/10.30632/PJV61N2-2020a3](www.doi.org/10.30632/PJV61N2-2020a3)

**A New CEC-Measurement Proxy Using High-Frequency Dielectric Analysis of Crushed Rock**  
M. Rebecca Stokes, Z. Elton Yang, Prince Ezebuio, and Timothy Fischer  
PAGES 179–188; 9 FIGURES; 1 TABLE  
REFERENCE: [www.doi.org/10.30632/PJV61N2-2020a4](www.doi.org/10.30632/PJV61N2-2020a4)

**Workflow for Upscaling Wettability From the Nanoscale to Core Scale**  
PAGES 189–205; 10 FIGURES; 2 TABLES  
REFERENCE: [www.doi.org/10.30632/PJV61N2-2020a5](www.doi.org/10.30632/PJV61N2-2020a5)

**Estimation of Gas-Condensate Relative Permeability Using a Lattice Boltzmann Modeling Approach**  
Josephina Schembre-McCabe, Jairam Kamath, Andrew Fager, and Bernd Crouse  
PAGES 206–216; 17 FIGURES; 1 TABLE  
REFERENCE: [www.doi.org/10.30632/PJV61N2-2020a6](www.doi.org/10.30632/PJV61N2-2020a6)

## ARTICLES - REGULAR SUBMISSIONS

**Effect of Injection Pressure on the Imbibition Relative Permeability and Capillary Pressure Curves of Shale Gas Matrix**  
Aymen Al-Ameri and Muhammed Abed Mazeel
Spontaneous Gas-Water Imbibition in Mixed-Wet Pores
Lin Wang, Yong Ming He, Yi Hang Xiao, Hong Hui Wang, and Fei Ying Ma
PAGES 230–238; 7 FIGURES; 2 TABLES
REFERENCE: www.doi.org/10.30632/PJV61N2-2020a8

Chemically Induced Formation Damage in Shale
Wyatt Wick, Shantanu Taneja, Ishank Gupta, Carl H. Sondergeld, and Chandra S. Rai
PAGES 239–249; 11 FIGURES; 3 TABLES
REFERENCE: www.doi.org/10.30632/PJV61N2-2020a9

HOW TO ACCESS ARTICLES

**SPWLA Members** have access to journals through paid membership packages. Annual dues include digital issues of Petrophysics Journal. Sign into your account Visit tab Publications → Petrophysics Papers.

**Expired Membership?** Sign into your account [https://www.spwla.org/SPWLA/Members/MemberHome.aspx](https://www.spwla.org/SPWLA/Members/MemberHome.aspx) to make payment. Reset maybe delayed by until the next SPWLA business day.

**Become a member?** Join now [https://www.spwla.org/SPWLA/Membership/Join_Now/Become_a_Member.aspx?hkey=902c4b79-2640-4b86-a56b-609e20248ba6](https://www.spwla.org/SPWLA/Membership/Join_Now/Become_a_Member.aspx?hkey=902c4b79-2640-4b86-a56b-609e20248ba6)