Title

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Journal

Environmental Science and Technology, 49(22)

ISSN

0013-936X

Authors

Wang, Shibo

Tokunaga, Tetsu K

Publication Date

2015-11-17

DOI

10.1021/acs.est.5b05187

Peer reviewed

Correction to Capillary Pressure–Saturation Relations for Supercritical CO_2 and Brine in Limestone/Dolomite Sands: Implications for Geologic Carbon Sequestration in Carbonate Reservoirs

Shibo Wang and Tetsu K. Tokunaga*

Our recent publication on capillary pressure-saturation (P_c-S_w) relations in carbonate sands contained P_c values that were offset from their true equilibrium values. Original Figures 2, 3, and 4 showed nonequilibrium P_c values that were close to the intended equilibrium P_c. The modified figures using the equilibrium P_c data are shown below. Other parts of the original paper and its conclusions remain unaffected. Additional corrections to the Supporting Information are also available. We apologize for the inconvenience caused to readers.

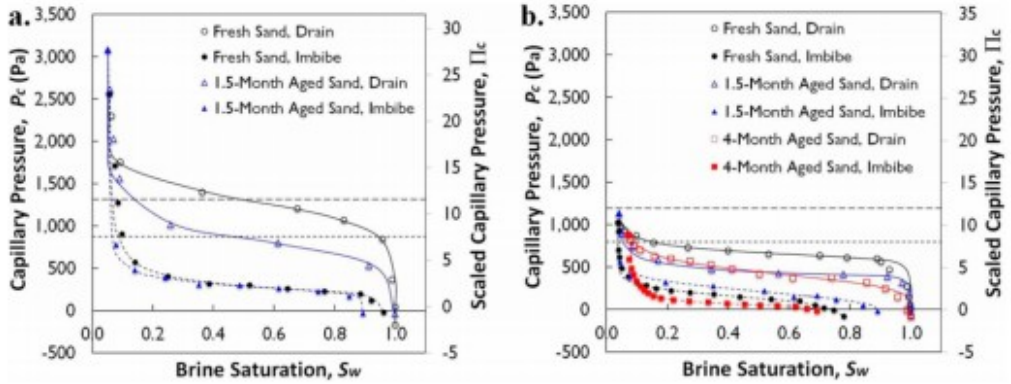

Figure 2.

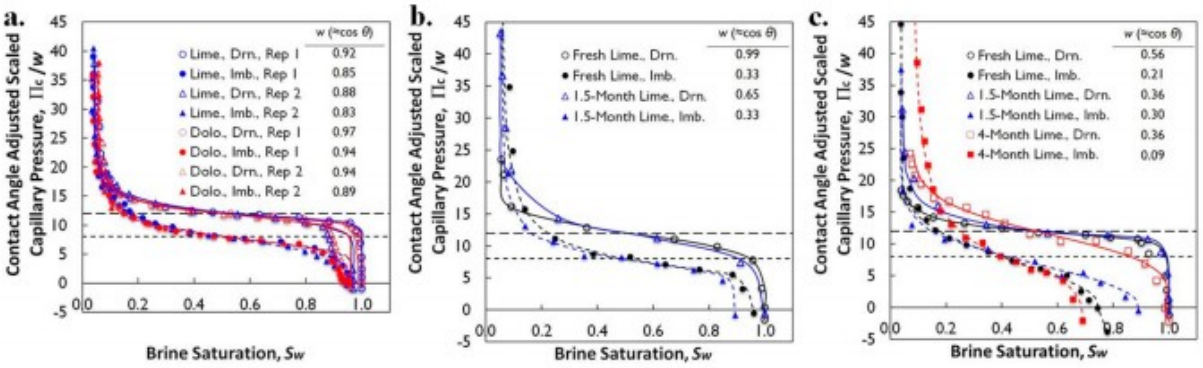

Figure 3.

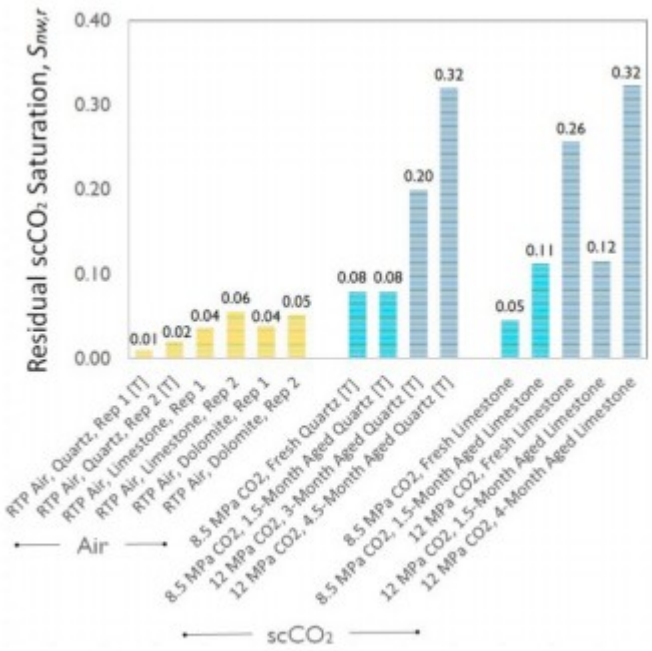
Residual scCO2 Saturation, Snw,r
0.40
0.30
0.20
0.10
0.00
0.01
0.02
0.04
0.06
0.04
0.05
0.08
0.08
0.20
0.32
0.05
0.11
0.26
0.12
0.32
RTP Air, Quartz, Rep 1 [T]
RTP Air, Quartz, Rep 2 [T]
RTP Air, Limestone, Rep 1
RTP Air, Limestone, Rep 2
RTP Air, Dolomite, Rep 1
RTP Air, Dolomite, Rep 2
8.5 MPa CO2, Fresh Quartz [T]
8.5 MPa CO2, 1.5-Month Aged Quartz [T]
12 MPa CO2, 3-Month Aged Quartz [T]
12 MPa CO2, 4.5-Month Aged Quartz [T]
8.5 MPa CO2, Fresh Limestone
8.5 MPa CO2, 1.5-Month Aged Limestone
12 MPa CO2, Fresh Limestone
12 MPa CO2, 1.5-Month Aged Limestone
12 MPa CO2, 4-Month Aged Limestone
Air
scCO2

Figure 4.