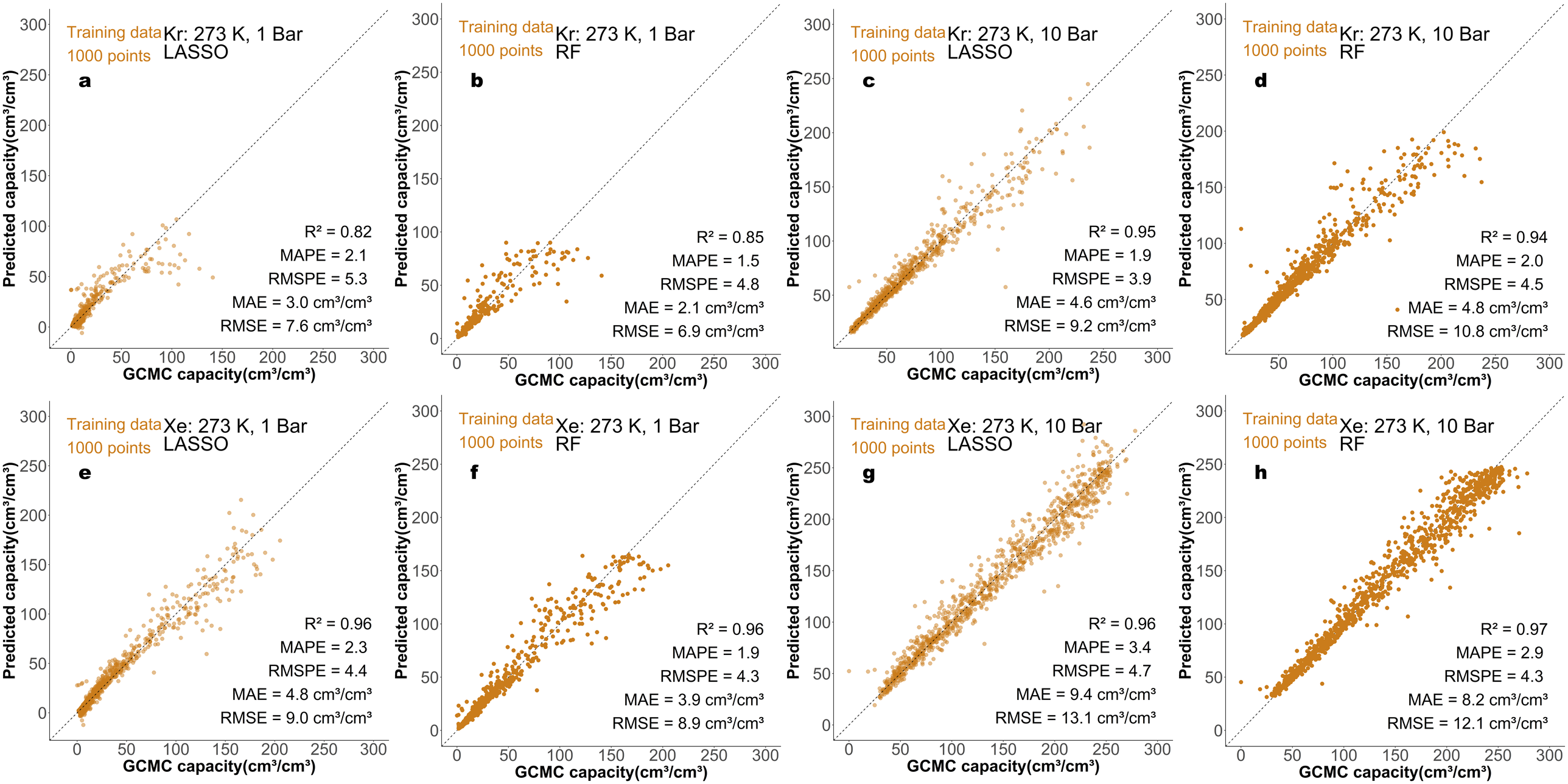
a
Training data
1000 points
Kr: 273 K, 1 Bar
LASSO
R² = 0.82
MAPE = 2.1
RMSPE = 5.3
MAE = 3.0 cm³/cm³
RMSE = 7.6 cm³/cm³
b
Training data
1000 points
Kr: 273 K, 1 Bar
RF
R² = 0.85
MAPE = 1.5
RMSPE = 4.8
MAE = 2.1 cm³/cm³
RMSE = 6.9 cm³/cm³
c
Training data
1000 points
Kr: 273 K, 10 Bar
LASSO
R² = 0.95
MAPE = 1.9
RMSPE = 3.9
MAE = 4.6 cm³/cm³
RMSE = 9.2 cm³/cm³
d
Training data
1000 points
Kr: 273 K, 10 Bar
RF
R² = 0.94
MAPE = 2.0
RMSPE = 4.5
MAE = 4.8 cm³/cm³
RMSE = 10.8 cm³/cm³
e
Training data
1000 points
Xe: 273 K, 1 Bar
LASSO
R² = 0.96
MAPE = 2.3
RMSPE = 4.4
MAE = 4.8 cm³/cm³
RMSE = 9.0 cm³/cm³
f
Training data
1000 points
Xe: 273 K, 1 Bar
RF
R² = 0.96
MAPE = 1.9
RMSPE = 4.3
MAE = 3.9 cm³/cm³
RMSE = 8.9 cm³/cm³
g
Training data
1000 points
Xe: 273 K, 10 Bar
LASSO
R² = 0.96
MAPE = 3.4
RMSPE = 4.7
MAE = 9.4 cm³/cm³
RMSE = 13.1 cm³/cm³
h
Training data
1000 points
Xe: 273 K, 10 Bar
RF
R² = 0.97
MAPE = 2.9
RMSPE = 4.3
MAE = 8.2 cm³/cm³
RMSE = 12.1 cm³/cm³
Predicted capacity(cm³/cm³)
GCMC capacity(cm³/cm³)