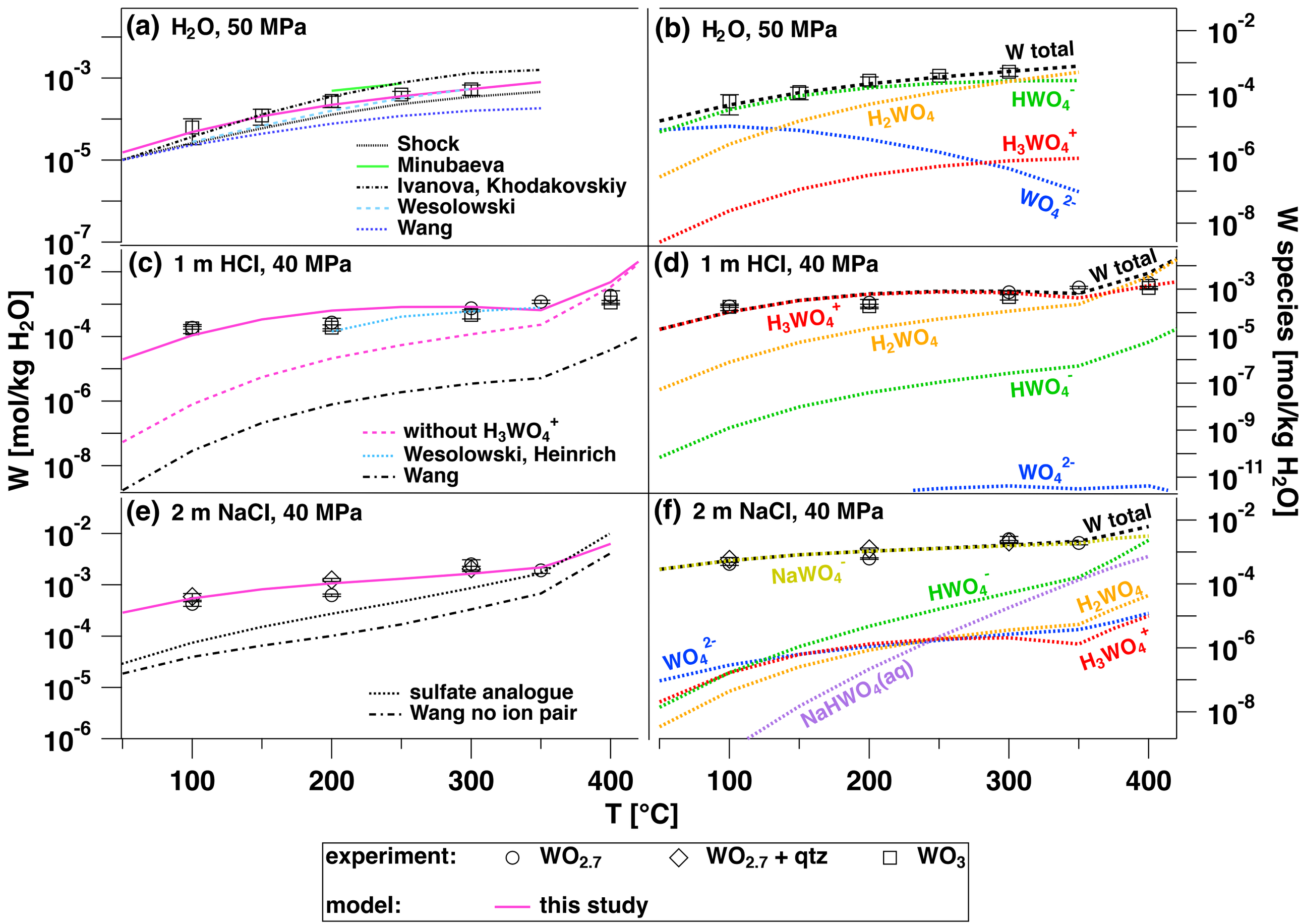
(a) H2O, 50 MPa
Shock
Minubaeva
Ivanova, Khodakovskiy
Wesolowski
Wang
(b) H2O, 50 MPa
W total
HWO4-
H2WO4
H3WO4+
WO4 2-
(c) 1 m HCl, 40 MPa
without H3WO4+
Wesolowski, Heinrich
Wang
(d) 1 m HCl, 40 MPa
W total
H3WO4+
H2WO4
HWO4-
WO4 2-
(e) 2 m NaCl, 40 MPa
sulfate analogue
Wang no ion pair
(f) 2 m NaCl, 40 MPa
W total
NaWO4-
HWO4-
H2WO4
H3WO4+
WO4 2-
NaHWO4(aq)
W [mol/kg H2O]
W species [mol/kg H2O]
T [°C]
experiment:
WO2.7
WO2.7 + qtz
WO3
model:
this study