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Interfacial tension measurement between CO_2 and brines under high temperature and elevated pressure conditions

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We have investigated the dependence of interfacial tension of $(CO_2 + brine)$ on temperature, pressure and salinity (including both salt type and molality) over the range of conditions applicable to CO_2 storage in saline aquifers. The study covered a wide range of measurements of the interfacial tensions between carbon dioxide and (NaCl + KCl)(aq), CaCl2(aq), MgCl2(aq), Na2SO4(aq), CaCl2(aq), CaCl2(aq)