NEWS RELEASE

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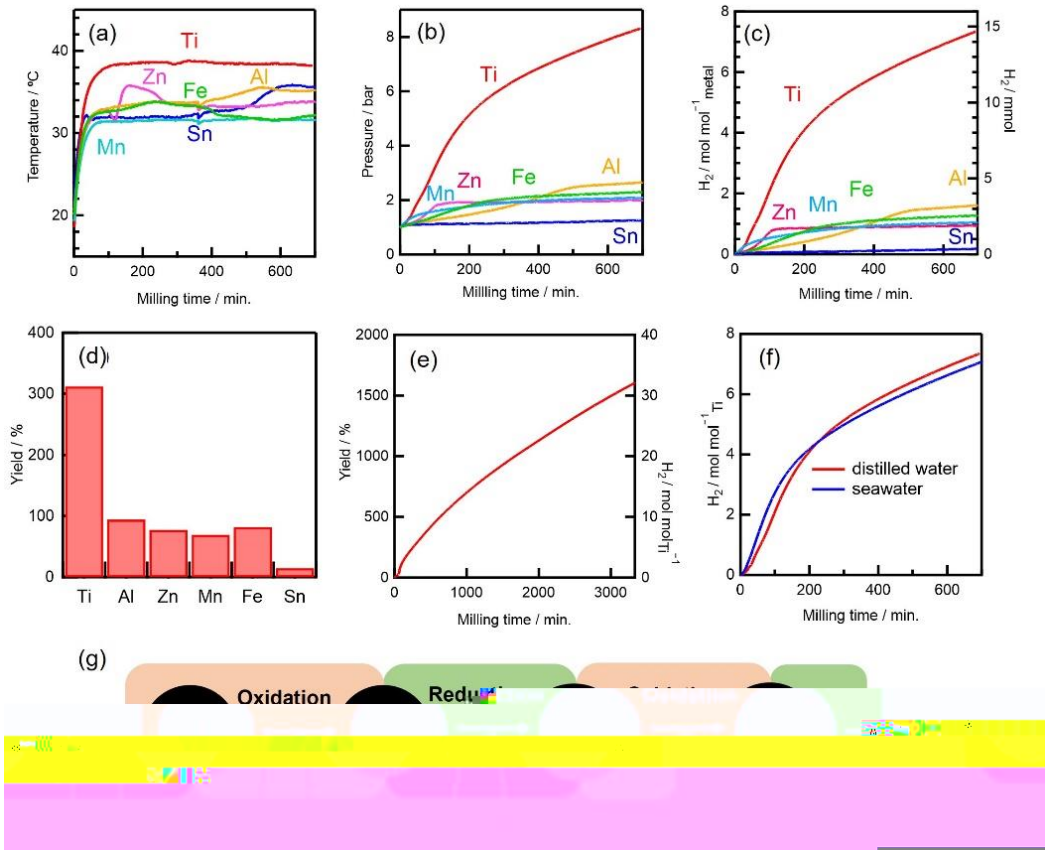
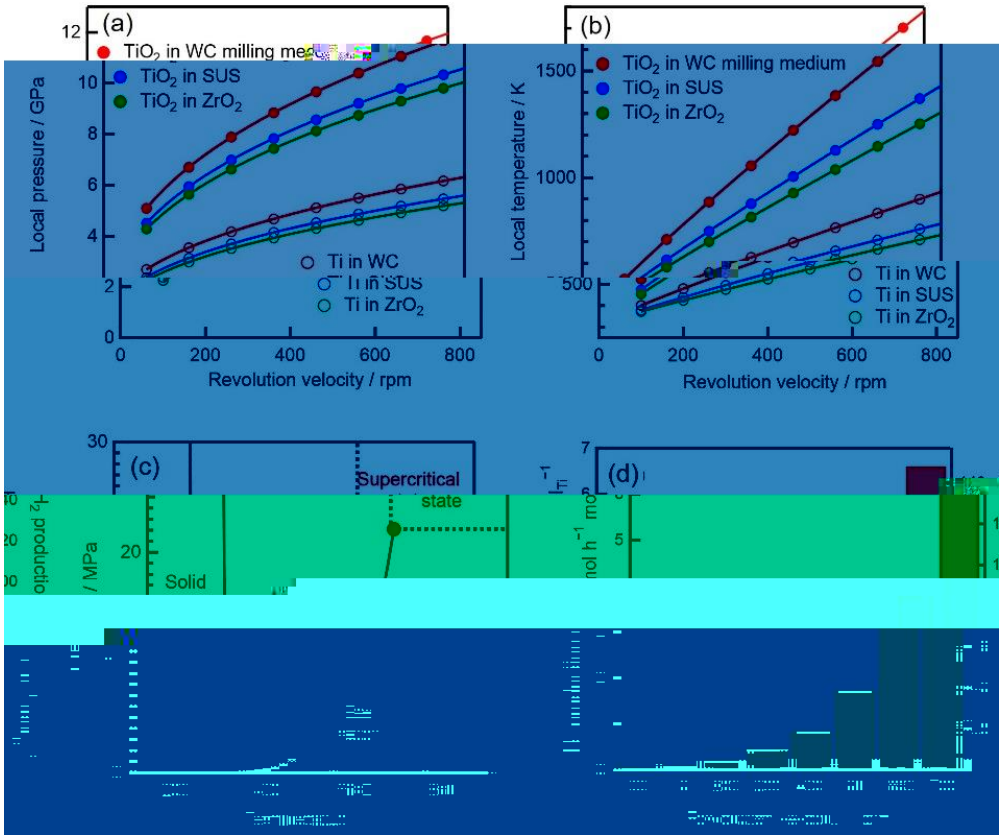

(a)
Temperature / °C
Milling time / min.
Ti
Zn
Fe
Al
Mn
Sn
(b)
Pressure / bar
Milling time / min.
(c)
H2 / mol mol-1 metal
H2 / mmol
Milling time / min.
(d)
Yield / %
Ti
Al
Zn
Mn
Fe
Sn
(e)
Yield / %
H2 / mol mol Ti-1
Milling time / min.
(f)
H2 / mol mol-1 Ti
distilled water
seawater
Milling time / min.
(g)
Oxidation


(a)
Local pressure / GPa
TiO2 in WC milling medium
TiO2 in SUS
TiO2 in ZrO2
Ti in WC
Ti in SUS
Ti in ZrO2
Revolution velocity / rpm
(b)
Local temperature / K
TiO2 in WC milling medium
TiO2 in SUS
TiO2 in ZrO2
Ti in WC
Ti in SUS
Ti in ZrO2
Revolution velocity / rpm
(c)
Supercritical state
Solid
(d)