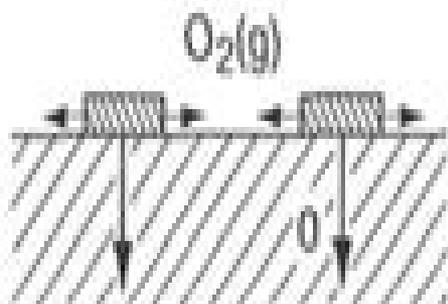


Adsorption

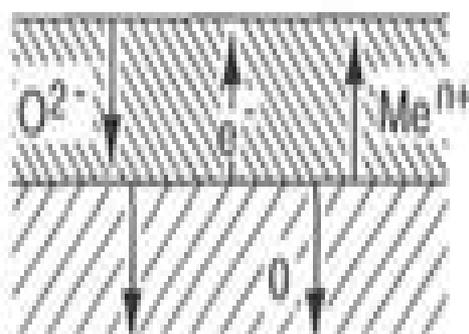
(a)



Oxide nucleation + growth

Oxygen dissolution

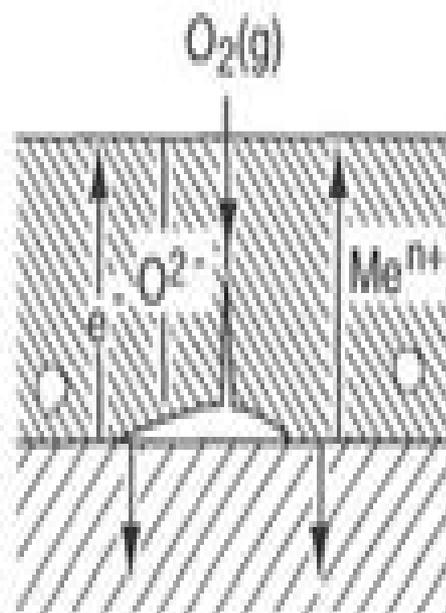
(b)



Film/scale growth

Internal oxidation

(c)

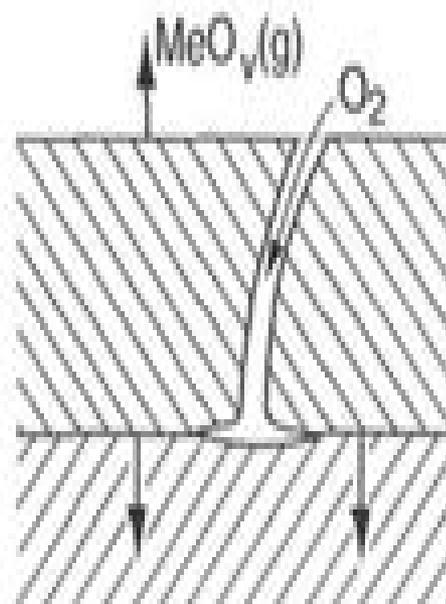


Cavities

Porosity

Microcracks

(d)



Macrocracks

Possible molten oxide phases, oxide evaporation

(e)

# Oxide Scale Behaviour In High Temperature Metal Processing

**Yi-Tong Ma**



## **Oxide Scale Behaviour In High Temperature Metal Processing:**

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