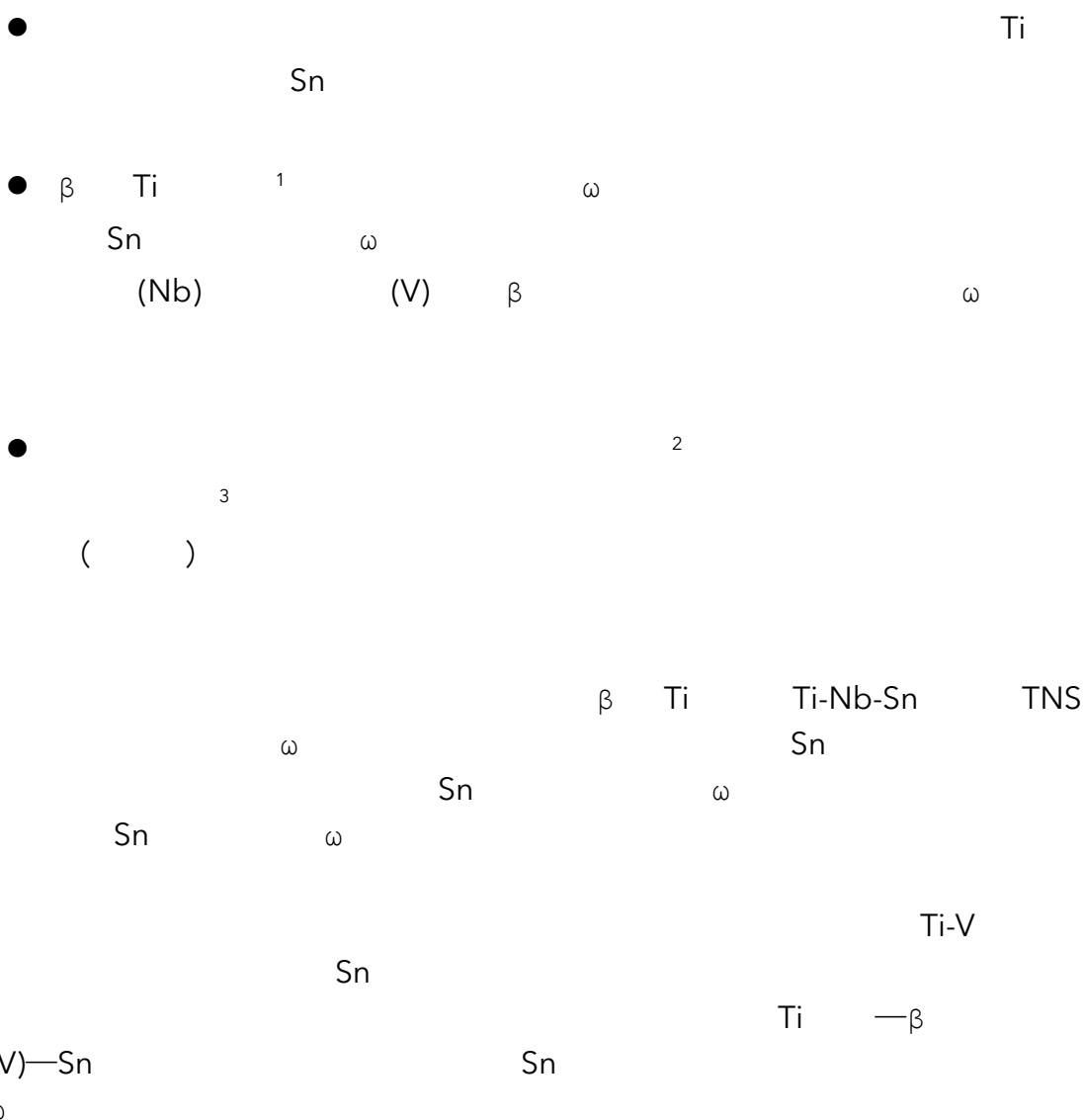


2024 5 16



2024 4 29

Acta Materialia

QOL

QOL

Ti

Ti

4

Ti

Ti

β Ti

Ti-Nb-Sn

TNS

5

2021

1

β Ti
Nb V

ω

β

ω
6

TNS

Ti2448

Sn

ω

β

Sn

Ti

Sn

ω

Sn

ω

β Ti

ω

300

Ti

ω

ω

ω

ω

2

β Ti

ω

ω

ω

1

ω

Sn

300

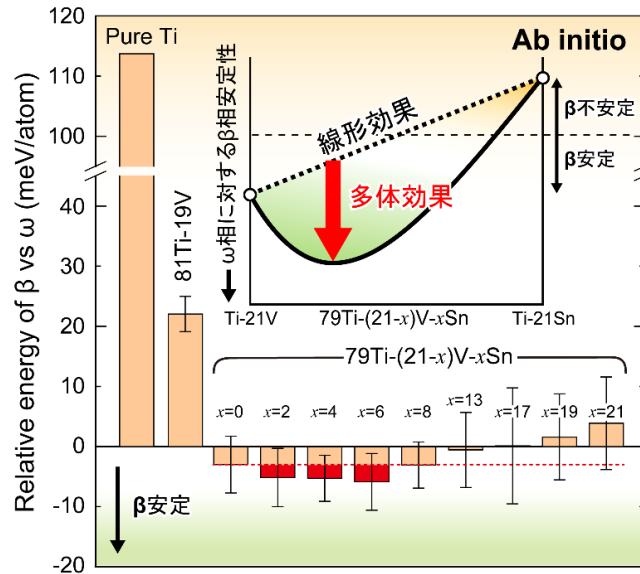
ω

Sn

ω

ω

ω
 ω



2.

β

V

Ti

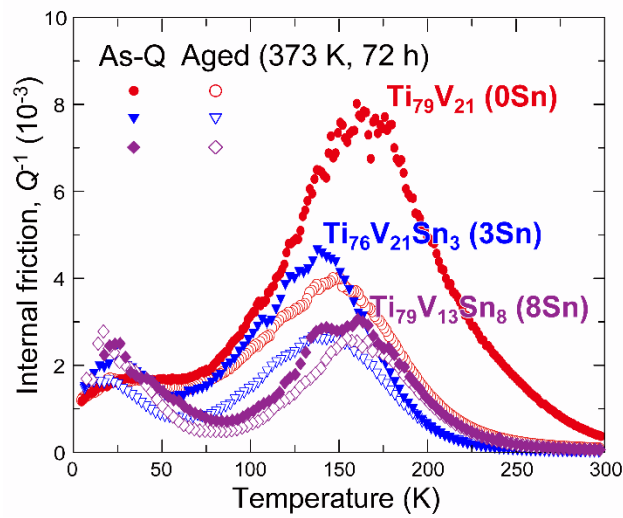
Ti-V-Sn

ω

Sn

β

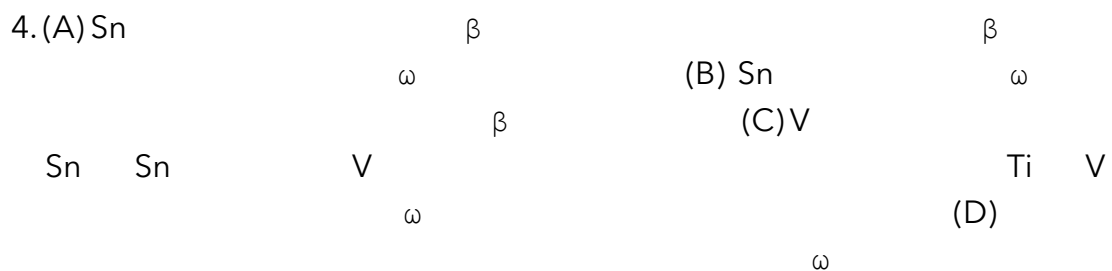
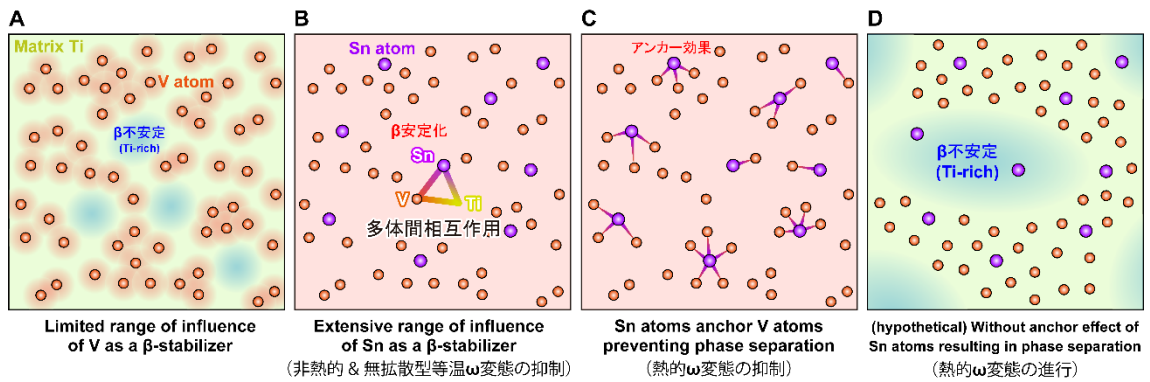
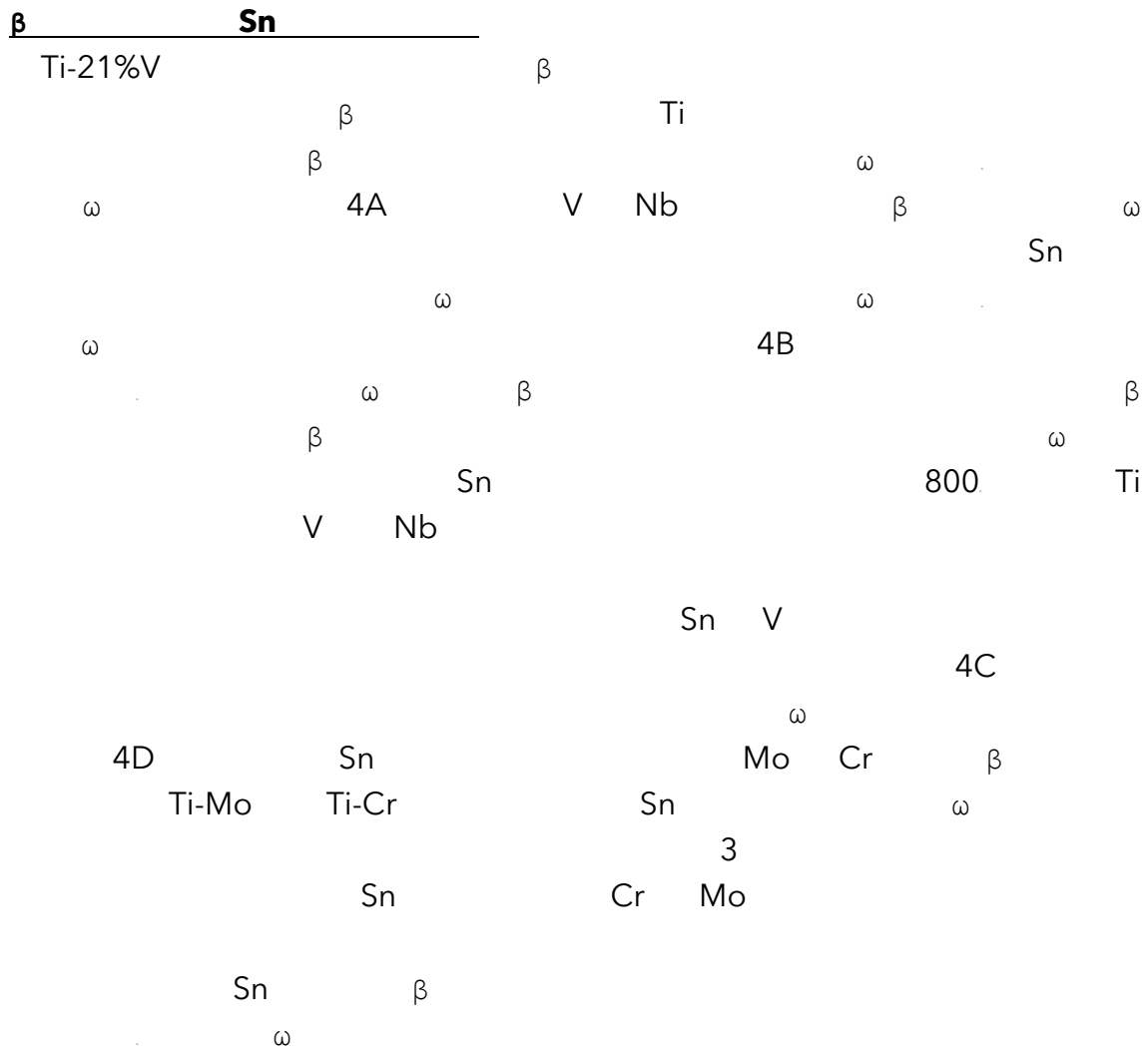
ω

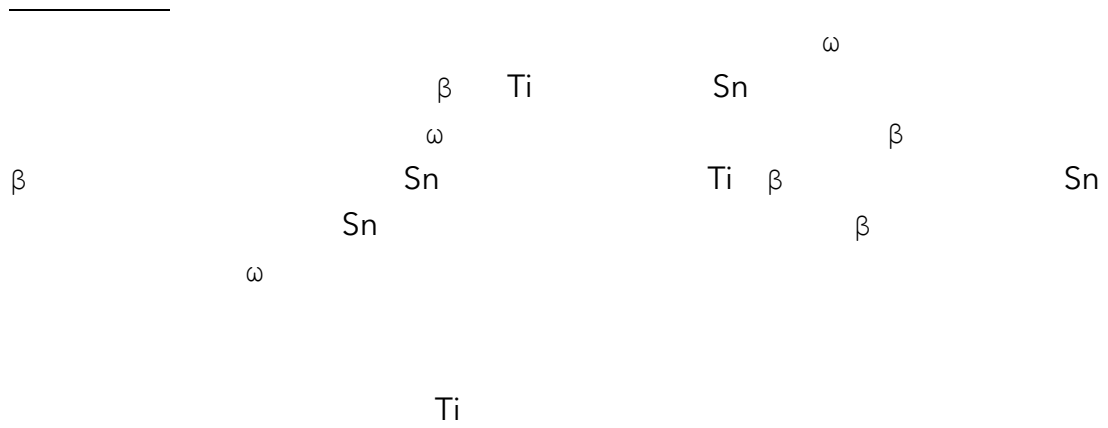


3.

$\beta \leftrightarrow \omega$

Sn





GIMRT (19K0513)
 (JP24K01191)

MASAMUNE-IMR (202112-SCKXX-0401 202212-SCKXX-0402)

注1. β Ti (HCP) α
 885 (BCC) β
 Nb V Cr Mo β β
 注2. β Ti
 5

注3.

注4.

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