

Associated papers

Thermal Stability of Arc Evaporated High-Al Content $Ti_{1-x}Al_xN$ Films

A. Hörling, et al.
J. Vac. Sci. Technol. A **20** (2002) 1815

Self-organized Nanostructures in the Ti-Al-N system

P. H. Mayrhofer, et al.
Appl. Phys. Lett. **83** (2003) 2049

Growth of Highly Curved $Al_{1-x}In_xN$ Nanocrystals

G. Z. Radnóczy, et al.
Phys. Stat Sol. Rapid Res Lett. **202** (2005) L76

Mixing and Decomposition Thermodynamics of $c-Ti_{1-x}Al_xN$

B. Alling, et al.
Phys. Rev. B **75** (2007) 045123

Interface Structure in Superhard $TiN/SiNx$

Nanolaminates & Superlattices
L. Hultman, et al.
Phys. Rev. B **75** (2007) 155437

First-principles Study of the Effect of N Vacancies on the Decomposition Pattern in cubic $Ti_{1-x}Al_xN$

B. Alling, et al.
Appl. Phys. Lett. **92** (2008) 071903

Pressure enhancement of the Isostructural Cubic Decomposition in $Ti_{1-x}Al_xN$

B. Alling, et al.
Appl. Phys. Lett. **95** (2009) 181906

A Unified Cluster Expansion Method Applied to the Configurational Thermodynamics of $TiAlN$

B. Alling, et al.
Phys. Rev. B **83** (2011) 104203

Spinodal Decomposition of $Ti_{0.33}Al_{0.67}N$ Thin Films Studied by Atom Probe Tomography

Lars Johnson et al.
Thin Solid Films **520** (2012) 4362

Configurational Disorder Effects on Adatom Surface Mobilities on $Ti_{1-x}Al_xN(001)$

B. Alling, et al.
Phys. Rev. **B85** (2012) 245422

Strain Evolution during Spinodal Decomposition of $TiAlN$ Thin Films

L. Rogström, et al.
Thin Solid Films **520** (2012) 5542

Selection of Metal Ion Irradiation - Controlling $Ti_{1-x}Al_xN$ Growth via Hybrid HIPIMS

G. Greczynski, et al.
Vacuum **86** (2012) 1036

Nanolabyrinthine $ZrAlN$ Thin Films by Self-organization of Interwoven Phases

N. Ghafoor et al.
Appl. Phys. Lett. Materials **1** (2013) 022105

Strong Electron Correlations Stabilize Paramagnetic Cubic $Cr_{1-x}Al_xN$

B. Alling, et al.
Appl. Phys. Lett. **102** (2013) 031910

Isostructural Decomposition of $TiAlN$ - *in-situ* SAXS and Phase Field Study

A. Knutsson et al.
J. Appl. Phys. **113** (2013) 213518

Toughness Enhancement in Hard Ceramic Thin Films by Alloy Design

H. Kindlund, et al.
APL Materials **1** (2013) 042104

Si Incorporation in $Ti_{1-x}Si_xN$ Films Grown on $TiN(001)$ and (001) -Faceted $TiN(111)$ Columns

A.O. Eriksson, et al.
Surf. Coat. Technol. **257** (2014) 121

Curved-Lattice Epitaxial Growth of $In_xAl_{1-x}N$ Nanospirals with Tailored Chirality

C.-L. Hsiao, et al.
Nano Letters **15** (2015) 294

Age hardening in $(Ti_{1-x}Al_x)B_{2+\Delta}$ thin films

A. Mockute, et al.
Scripta Materialia **127** (2016) 122

Direct Observation of Spinodal Decomposition in $InAlN$ Alloys

J. Palisaitis, et al.
Scientific Reports **7** (2017) 44390

Synthesis of Ti_3AuC_2 , $Ti_3Au_2C_2$, Ti_3IrC_2 by Noble Metal Substitution in Ti_3SiC_2

H. Fashandi, et al.
Nature Materials **16** (2017) 814

Resolving Mass Spectral Overlaps in Atom Probe Tomography by Isotopic Substitutions – $TiSi^{15}N$

D. L. J. Engberg, et al.
Ultramicroscopy **184** (2018) 51