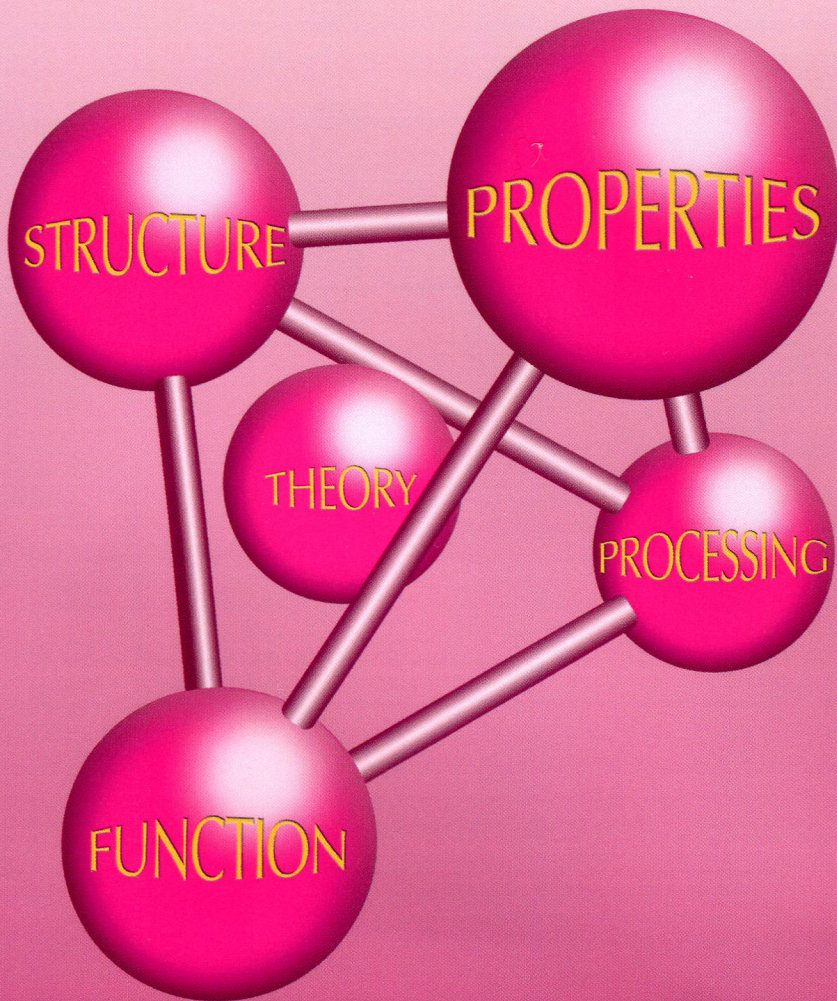


Scripta MATERIALIA

A LETTERS JOURNAL



Scripta MATERIALIA

Volume 69, Issue 10
(Published 12 September 2013)

CONTENTS

	707	2014 Acta Biomaterialia Gold Medal Award
C.Q. Chen, G. Hu, J.N. Florando, M. Kumar, K.J. Hemker & K.T. Ramesh	709	Interplay of dislocation slip and deformation twinning in tantalum at high strain rates
F. Yang, R.D. Noebe & M.J. Mills	713	Precipitates in a near-equiatomic (Ni + Pt)-rich TiNiPt alloy
J.-K. Kim, J. Scheers, G.-C. Hwang, X. Zhao, S. Kang, P. Johansson, J.-H. Ahn & P. Jacobsson	716	Role of lithium precursor in the structure and electrochemical performance of LiFePO ₄
E.-J. Gwak, N.-R. Kang, U.B. Baek, H.M. Lee, S.H. Nahm & J.-Y. Kim	720	Microstructure evolution in nanoporous gold thin films made from sputter-deposited precursors
T. Yanagitani & M. Suzuki	724	Significant shear mode softening in a <i>c</i> -axis tilt nanostructured hexagonal thin film induced by a self-shadowing effect
L. Shen, Y.-H. Han, S. Zhou, J. Yang, Z. Li, X. Cao, B. Wang, A. Mukherjee, C. Xiang, H. Tang, J. Lee, S.I. Bae, S. Kim & Q. Huang	728	Microwave-activated formation of lattice defects in alumina polycrystals consolidated by spark plasma sintering
H.S. Arora, Q. Xu, Z. Xia, Y.-H. Ho, N.B. Dahotre, J. Schroers & S. Mukherjee	732	Wettability of nanotextured metallic glass surfaces
L. Shen, Y.-H. Han, C. Xiang, H. Tang, A. Mukherjee, S. Kim, S.I. Bae & Q. Huang	736	Phase transformation behavior of ZrO ₂ by addition of carbon nanotubes consolidated by spark plasma sintering
Y. Li, H. Wu, J. Yin, P. Lu, Y. Yan, X. Liu, Z. Huang & D. Jiang	740	High electrical resistivity of pressureless sintered in situ SiC–BN composites
F. Rossi, F. Fabbri, M. Tallarida, D. Schmeisser, M. Modreanu, G. Attolini & G. Salviati	744	Structural and luminescence properties of HfO ₂ nanocrystals grown by atomic layer deposition on SiC/SiO ₂ core/shell nanowires
Y. Yang, H. Jiang, X. Ma & D. Yang	748	Room temperature visible electroluminescence from SrTiO ₃ / <i>p</i> ⁺ –Si heterostructure
D. Qiu, M. Zhang, P. Kelly & T. Furuhashi	752	Discovery of plate-shaped athermal ω phase forming pairs with α' martensite in a Ti–5.26 wt.% Cr Alloy
S. Wagner, M. Hamm & A. Pundt	756	Huge hydrogen-induced resistive switching in percolating palladium thin films
M.Q. Jiang, G. Wilde, J.B. Gao & L.H. Dai	760	A universal power law for metallic glasses
E. Rabkin	764	Metastable porosity in thin polycrystalline films

INDEXED IN Current Contents, BIOSIS/CAS Selects, Camb. Sci. Abstr., Eng. Ind. Monthly and Author Ind., IBZ, Energy Res. Abstr., Energy Data Base, Metals Abstr., World Alum. Abstr., and the MSCI. Also covered in the abstract and citation database Scopus®. Full text available on ScienceDirect®

Printed by Polestar Wheatons Ltd, Exeter, UK

ISSN 1359-6462

Available online at www.sciencedirect.com

ScienceDirect



1359-6462(201311)69:10;1-C