

Contents

D. Gómez-García, A. Muñoz-Bernabé, Á. Gallardo-López and F. Gutiérrez-Mora	3293 Preface
A. Morales-Rodríguez, D. Gómez-García, T. Rodríguez-Suarez, S. Lopez-Esteban, C. Pecharroman, J.S. Moya and A. Domínguez-Rodríguez	3295 Anomalous high activation energy for creep in nanostructured 3YTZP/Ni cermets
A. Morales-Rodríguez, M. Moevus, P. Reynaud and G. Fantozzi	3301 Strength enhancement of 2D-SiC _f /SiC composites after static fatigue at room temperature
D. Gómez-García, F. Gutiérrez-Mora, Á. Gallardo-López and A. Domínguez-Rodríguez	3307 A general law for liquid metal-onto-ceramic wetting: An electrostatic approach
N. De La Rosa-Fox, V. Morales-Flórez, J.A. Toledo-Fernández, M. Piñero, R. Mendoza-Serna and L. Esquivias	3311 Nanoindentation on hybrid organic/inorganic silica aerogels
M. Castillo Rodríguez, A. Muñoz, J. Castaing, P. Veyssi�re and A. Dom��nguez-Rodr��guez	3317 Chromium hardening and Peierls mechanism for basal slip in sapphire (α -Al ₂ O ₃) at temperatures between 900 and 1500 �C
E. Zapata-Solvas, D. G��mez-Garc��a, C. Garc��a-Ga��n��n and A. Dom��nguez-Rodr��guez	3325 High temperature creep behaviour of 4 mol% yttria tetragonal zirconia polycrystals (4-YTZP) with grain sizes between 0.38 and 1.15 �m
R. Chaim, M. Kalina and J.Z. Shen	3331 Transparent yttrium aluminum garnet (YAG) ceramics by spark plasma sintering
T. Rodr��guez-Su��rez, S. Lopez-Esteban, J.F. Bartolom�� and J.S. Moya	3339 Mechanical properties of alumina-rich magnesium aluminate spinel/tungsten composites
E. S��nchez-Gonz��lez, P. Miranda, J.J. Mel��ndez-Mart��n��ez, F. Guiberteau and A. Pajares	3345 Temperature dependence of mechanical properties of alumina up to the onset of creep
O. Borrero-L��pez, A.L. Ortiz, F. Guiberteau and N.P. Padture	3351 Microstructural design of sliding-wear-resistant liquid-phase-sintered SiC: An overview
O. Borrero-L��pez, A. Pajares, A.L. Ortiz and F. Guiberteau	3359 Hardness degradation in liquid-phase-sintered SiC with prolonged sintering
F. Wakai, D. G��mez-Garc��a and A. Dom��nguez-Rodr��guez	3365 Pore channel closure in sintering of a ring of three spheres
C. Lorenzo-Mart��n, D. Singh, J. Johnson and J.L. Routbort	3371 Deformation behavior and joining of a MgF ₂ optical ceramic
D. Singh, M. Lorenzo-Mart��n, G. Chen, F. Guti��rrez-Mora and J.L. Routbort	3377 High-temperature deformation behavior in SrTiO ₃ ceramics

J.A. del Valle, M.T. Pérez-Prado and O.A. Ruano	3385	Symbiosis between grain boundary sliding and slip creep to obtain high-strain-rate superplasticity in aluminum alloys
M. Arciniegas, C. Aparicio, J.M. Manero and F.J. Gil	3391	Low elastic modulus metals for joint prosthesis: Tantalum and nickel–titanium foams
	I	Keyword List
	III	Notes for Authors