

Table of Contents

Volume 9 Number 4

April 2018

Crack Growth Behavior in Cemented Carbide by Repeated Thermal Shock

S. Ishihara, H. Shibata, K. Masuda, H. Mikado, M. Ishiguro.....345

Improved Approach to Determine the Material Parameters for a Combined Hardening Model

B. Seisenbacher, G. Winter, F. Grün.....357

A Method of Determining Realistic Stress S/N Curves by Interpolations and Extrapolations of Two Known Best-Fit S/N Curves for Fatigue Life Predictions

C. Gudas.....368

Artificial Enamel Wear after Prolonged Chewing Simulation against Monolithic Y-TZP Crowns

D. Vedana, L. Vedana, E. A. Martins, P. Brodersen, G. M. De Souza.....381

Very High Cycle Fatigue Behaviors and Surface Crack Growth Mechanism of Hydrogen-Embrittled AISI 304 Stainless Steels

S.-H. Nahm, H.-B. Shim, U.-B. Baek, C.-M. Suh.....393

Elastomer Composites with Enhanced Ice Grip Based on Renewable Resources

N. Dishovski, F. Mitkova, M. Kandeve, Y. Angelov, I. Uzunov, M. Ivanov, D. Klissurski.....412

An Assessment of Rare Earth Aluminates as Possible Radiation Shields for Artificial Satellites in Low Earth Orbit

E. Ortiz, J. F. Valdés-Galicia, R. García, L. M. M. de la Escalera, M. Anzorena, L. Martínez-Gómez.....430

The Influence of the Precipitation Heat Treatment Temperature on the Metallurgical, Microstructure, Thermal Properties, and Microhardness of an Alpha Brass

I. Rojas-Rodríguez, A. Lara-Guevara, M. Salazar-Sicacha, J. C. Mosquera-Mosquera,
M. Robles-Agudo, C. Ramirez-Gutierrez, M. Rodríguez-García.....440