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Areas of Interest : Metal cutting coatings-Manganese phosphate coating Tribology
Machining

Publications

Tribological studies of Ti-Al-N hard-faced coatings evaluated with ball-cratering test method

P Vijayasarithi, P Sureshprabhu, S Ilaiyavel
China Mech Eng J 36 (6), 569-575

Microstructural and Tribological Analysis of Boronizing Methods on SAE 52100

S Ilaiyavel, SC Atul, SPC Sekar
Transactions of the Indian Institute of Metals 72 (12), 3007-3013

Evaluation of sliding wear resistance of physical vapor deposited coatings by the ball-cratering test method

P Vijayasarithi, S Ilaiyavel, P Suresh Prabhu
Journal of Engineering Materials and Technology 139 (3)

Anti-bacterial Properties of Wear Resistant Thermal Diffusion Coatings

SC Atul, S Ilaiyavel, KT Jaishree
Transactions of the Indian Institute of Metals 73 (11), 2911-2917

Wear characteristics of AlCrN coating on AISI 410 steel by the ball-cratering test method

V Prabakaran, S Ilaiyavel, P SureshPrabhu, SS Thambu
Industrial Lubrication and Tribology

Evaluation of Sliding Wear Resistance of PVD Coatings by the Ball-Cratering Test Method

P Vijayasarithi, S Ilaiyavel, PS Prabhu

Optimization of operating parameters on wear behavior of Manganese Phosphate Coated Die steel

S Ilaiyavel, R Sheshathri, VR Sundram, A Venkatesan
Applied Mechanics and Materials 812, 87-92