

Download Thermal Spray Technology Journal

Journal of Thermal Spray Technology. From the scientific to the practical, stay on top of advances in this fast-growing coating technology with ASM International's Journal of Thermal Spray Technology. Japan's largest platform for academic e-journals: J-STAGE is a full text database for reviewed academic papers published by Japanese societies. Thermal spraying techniques are coating processes in which melted (or heated) materials are sprayed onto a surface. The "feedstock" (coating precursor) is heated by electrical (plasma or arc) or chemical means (combustion flame). To meet the challenges for clean environment and stable energy supply, enhancing the energy conversion efficiency and prolonging the life of infra-structures are inevitable, and they require long-term performance under severe conditions of the materials used in those applications.