

Prof. Mustafa Kamil Ürgen

Personal Information

Email: urgen@itu.edu.tr

Education Information

Doctorate, Turkey 1979 - 1986

Postgraduate, Istanbul Technical University, Kimya-Metalurji Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, Turkey 1977 - 1979

Undergraduate, Istanbul Technical University, Kimya-Metalurji Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, Turkey 1972 - 1976

Foreign Languages

English

Research Areas

Engineering and Technology

Academic Titles / Tasks

Professor, Istanbul Technical University, Kimya-Metalurji, Metalurji Ve Malzeme Mühendisliği, 1996 - Continues

Associate Professor, Istanbul Technical University, Kimya-Metalurji, Metalurji Ve Malzeme Mühendisliği, 1990 - 1996

Assistant Professor, Istanbul Technical University, Kimya-Metalurji, Metalurji Ve Malzeme Mühendisliği, 1987 - 1990

Academic and Administrative Experience

İstanbul Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, 2001 - 2004

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Characteristics of the hierarchical porous TiO₂ layer synthesized on Ti via plasma electrolytic oxidation: Role of the applied voltage**
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- II. **Contribution of polyaniline coating to the stability and performance of nickel hydroxide based electroactive materials**
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- III. **On the Erosive Wear of Carbon Fiber-Reinforced Epoxy Composite in the Olive Oil Extraction Process**

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- IV. **Influence of tantalum pentoxide secondary phase on surface features and mechanical properties of hydroxyapatite coating on NiTi alloy produced by electrophoretic deposition**
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- VIII. **Aluminising of steel with a cathodic arc plasma based method**
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- IX. **Self-assembling antimicrobial peptides on nanotubular titanium surfaces coated with calcium phosphate for local therapy**
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- X. **Freestanding SnO2 films produced with anodic polarization in acidic media containing colloidal tin hydroxides**
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- XI. **The role of superimposing pulse bias voltage on DC bias on the macroparticle attachment and structure of TiAlN coatings produced with CA-PVD**
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- XIV. **Magnesium doping on TiN coatings affects mesenchymal stem cell differentiation and proliferation positively in a dose-dependent manner**
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- XV. **Experimental and modeling study on the role of Ar addition to the working gas on the development of intrinsic stress in TiN coatings produced by filtered vacuum-arc plasma**
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- XVI. **Effect of Magnesium and Osteoblast Cell Presence on Hydroxyapatite Formation on (Ti,Mg)N Thin Film Coatings**

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- XXII. Role of different plasma gases on the surface chemistry and wettability of RF plasma treated stainless steel**
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- XXIII. Orientation dependent tribological behavior of TiN coatings**
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- XXXV. **Carbonated hydroxyapatite deposition at physiological temperature on ordered titanium oxide nanotubes using pulsed electrochemistry**
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- XXXVI. **Effects of Highly Polluted Atmospheres on Power Distribution Systems**
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- XXXVII. **Effect of sodium sulfate on the characteristics and corrosion behavior of high phosphorus Ni-P electroless coatings**
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- XXXVIII. **Investigation of structural and electrical properties of p-CuPc/c-Si and p-CuPc/a-Si/c-Si hybrid photodiodes prepared by CSP technique**
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- XL. **A Simple Method for the Production of AAO Templates for DC Electrodeposition of Nanostructures**
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- XLI. **Antibacterial Activity of As-Annealed TiO₂ Nanotubes Doped with Ag Nanoparticles against Periodontal Pathogens**
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- XLIII. **Protecting Concrete Power Poles from Stray Alternating Current**
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- XLIV. **Stray Alternating Current and Environmental Effects on Concrete Power Poles**
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- XLV. **High temperature friction and wear behaviour of Ni-P-Ag-Al₂O₃ hybrid nanocomposite coating**
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- XLVI. **Regular growth combined with lateral etching in diamond deposited over silicon substrate by using**

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- LXXV. The effect of oxygen content on the temperature dependent tribological behavior of Cr-O-N coatings**
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