## عنوان مقاله:

Effect of SimNr nanoparticles on microhardness and corrosion resistance of Ni-Co electrodeposits

# محل انتشار:

هفتمین کنفرانس بین المللی پژوهش های کاربردی در علوم و مهندسی (سال: 1402)

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نویسندگان: Saman Safavi - Department of Materials Engineering, Faculty of Mechanical Engineering, University of Tabriz, Tabriz, .Iran

Ali Rasooli - Department of Materials Engineering, Faculty of Mechanical Engineering, University of Tabriz, Tabriz, .Iran

### خلاصه مقاله:

In the present study, the effect of SirNF nanoparticles on the microhardness, and corrosion resistance of the Ni-Co nanocomposite layer were analyzed. For this goal, a g/L of SiMNF nanoparticles were incorporated into the Ni-Co alloy electrolyte. Vickers microhardness and electrochemical impedance spectroscopy (EIS) assays were used to determine the microhardness and corrosion resistance of the coatings, respectively. Results showed that the added nanoparticles increased the microhardness and charge-transfer resistance of the Ni-Co coatings by ≈100 HV and ≈50 .kΩ cmY, respectively

**کلمات کلیدی:** Si۳N۴ nanoparticles, microhardness, corrosion resistance, Ni-Co, coating

# لینک ثابت مقاله در پایگاه سیویلیکا:

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