



Hamidreza Farnoosh

Assistant Professor

College: Faculty of Engineering

Department: Metallurgical Engineering

Papers in Journals

1. برای $Cu_x(Mn, Co)_3-xO_4$ هادی جسورالماچوان، حمیدرضا فرنوش، مشخصه‌یابی پوشش‌های الکتروفوریتیک نانوساختار. اتصال‌دهنده‌های پیل‌های سوختی اکسید جامد، نشریه علوم و مهندسی سطح، مجلد ۱۶، شماره صفحات ۵۵، ۱۳۹۹/۰۳/۲۵، ISC.
2. مهندسی متالورژی و $HA-TiO_2$ حمیدرضا فرنوش، رفتار میکروتربیولوژی پوشش‌های الکتروفوریتیک نانوکامپوزیتی. SID, ISC, مواد، مجلد ۲۹، شماره صفحات ۱۳۹۶/۱۲/۲۰.
3. Fabrication and characterization of Sr-modified Bredigite/chitosan nanocomposite coatings on AZ31 alloy via electrophoretic deposition for bone applications, Journal of Sol-Gel Science and Technology, Vol. 1, pp. 1, 2025 02 15, JCR, SCOPUS.
4. A fluid-flow approach in oxidation evaluation of SUS 430 steels coated by Fe/Mn-modified MnCo for solid oxide fuel cell application, International Journal of Hydrogen Energy, 2023 07 02, SCOPUS, JCR.
5. Effect of graphene oxide on micro-tribological and electrochemical properties of electrophoretically deposited HA-TiO₂-GO composite coatings, Processing and Application of Ceramics, Vol. 16, pp. 30, 2022 04 30, SCOPUS, JCR.
6. Mojtaba Salehi, Hang Li Seet, Manoj Gupta, حمیدرضا فرنوش, Saeed Maleksaeedi, Mui Ling Sharon Nai, Rapid densification of additive manufactured magnesium alloys via microwave sintering, Additive Manufacturing, Vol. 37, pp. 1, 2021 05 08, SCOPUS, JCR.
7. Mui Ling Sharon Nai, حمیدرضا فرنوش, سعید ملک سعیدی, Hang Li Seet, Manoj Gupta, مجتبی صالحی, Rapid densification of additive manufactured magnesium alloys via microwave sintering, Additive Manufacturing, Vol. 37, pp. 1, 2021 05 08, SCOPUS, JCR.
8. Effect of interconnect coating procedure on solid oxide fuel cell performance, MATER LETT, Vol. 259, pp. 1, 2020 01 15, SCOPUS, JCR.
9. Mechanical Properties of Electrophoretically Deposited 45S5 Bioglass-Graphene Oxide Composite Coatings, Advanced Ceramics Progress, Vol. 5, pp. 17, 2019 12 25, ISC, IranMedex.
10. Characterization and in vitro bioactivity of electrophoretically deposited Mn-modified bioglass-alginate nanostructured composite coatings, Materials Research Express, Vol. 6, pp. 1, 2019 05 11, ISI, SCOPUS.
11. Nai Mui Ling Sharon, Ganesh Kumar Meenashisundaram, Manoj Gupta, An Investigation into Interaction Between Magnesium Powder and Ar gas: Implications for Selective Laser Melting of Magnesium, POWDER TECHNOL, Vol. 333, pp. 252, 2018 06 11, ISI, SCOPUS.
12. Improvement of mechanical

properties in the functionally-graded aluminum matrix nanocomposites fabricated via a novel multistep friction stir processing, METALL MATER TRANS B, Vol. 46, pp. 20, 2015 02 11, ISI, SCOPUS.

13. جمشید آقازاده مهندسی, حمیدرضا فرنوش, مجتبی صالحی, Fabrication and characterization of functionally graded Al-SiC nanocomposites by using a novel multistep friction stir processing, MATER DESIGN, Vol. 63, pp. 419, 2014 11 11, ISI, SCOPUS.

14. اشکان عبدی بسطامی, حمیدرضا فرنوش, علی صادقی, جمشید آقازاده مهندسی, Sol-gel derived nanohydroxyapatite film on friction stir processed Ti-6Al-4V substrate, SURF ENG, Vol. 29, pp. 205, 2013 04 11, ISI, SCOPUS.