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شرح حال علمی



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سوابق تدریس:

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استاتیک و مقاومت مصالح، دانشگاه کاشان، دانشکده مهندسی، گروه مهندسی متالورژی/ گروه مهندسی شیمی/ گروه مهندسی صنایع/ گروه مهندسی معدن	۱۳۹۳- تا اکنون
علم مواد، دانشگاه کاشان، دانشکده مهندسی، گروه مهندسی صنایع	۱۳۹۳- تا اکنون

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مدلسازی ریخته‌گری، دانشگاه صنعتی شریف، کارگاه عمومی	۱۳۸۴-۱۳۸۶

سوابق تحقیقاتی:

2016-present	<i>Fabrication and High-temperature Performance of Solid Oxide Fuel Cell with Doped-Nanostructured Mn-Co Spinel Oxide Protective Coatings on Metallic Interconnects</i> , Niroo Research Institute
2016-2018	<i>Applying Mixed Metal Oxide Anodes in Electrowinning of Copper</i> , National Iranian Copper Industries Co.
2016-2018	<i>Fabrication of Graded Electrophoretic Deposition Apparatus</i> , University of Kashan
2013- present	<i>Designing and Manufacturing of SOFC Power Unit by Using Natural Gas</i> , Niroo Research Institute
2011-2013	PhD Thesis: “ <i>Graded and Layered Electrophoretic Deposition of HA/TiO₂ Nanoparticles on Ti6Al4V Substrates with Refined Microstructure</i> ”, Department of Mining and Metallurgical Engineering, Amirkabir University of Technology
2012-2013	<i>Surface Modification of CP-Ti Substrate by Combining Micro-arc Oxidation and Electrophoretic Deposition</i> , Istanbul Technical University
2011-2013	<i>Fabrication of Ti–CaP Nanocomposite Layer by Friction Stir Processing</i> , Amirkabir University of Technology
2012-2013	<i>Biomimetic Synthesis of Nano-hydroxyapatite Coatings on Friction Stir Processed Ti-6Al-4V Substrates</i> , Amirkabir University of Technology
2012-2013	<i>Sol-gel Derived Nano-hydroxyapatite Film on Friction Stir Processed Ti-6Al-4V Substrate</i> , Amirkabir University of Technology
2008-2010	<i>Fabrication of Nanostructured Al-AlN Composite by Mechanical Alloying</i> , Materials & Energy Research Center (MERC)
2009-2010	<i>Thermokinetic Study on Oxidation Behavior of AlN Nanoparticles</i> , Materials & Energy Research Center (MERC)

- 2005-2008 MSc Thesis: “*The Effect of Dynamic Strain Aging on Fatigue Properties of Ferrite-Bainite Dual-Phase Steels*”, Department of Materials Science and Engineering, Sharif University of Technology
- 2004-2005 BSc Thesis: “*Hot Deformation Characteristics of 2205 Duplex Stainless Steel Based on the Behavior of Constituent Phases*”, Department of Mining and Metallurgical Engineering, Amirkabir University of Technology

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Synthesis and Characterization of Bioactive Sr-doped Bredigite $\text{Ca}_7\text{MgSi}_4\text{O}_{16}$ Nanopowders via Sol-gel Auto-combustion Method, *7th International Congress on Nanoscience & Nanotechnology (ICNN 2018)*, **26-28 September 2018**, Tehran, Iran.

Synthesis and characterization of Cu-doped $(\text{Mn}, \text{Co})_3\text{O}_4$ spinel nanopowders for solid oxide fuel cell (SOFC) application, *6th International Conference on Powder Metallurgy for Automotive Parts (PMAUTO 2018)*, **16-18 March 2018**, Isfahan, Iran.

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Synthesis and Characterization of Mn-modified Bioglass for Biomedical Application, *3rd National Conference of Materials Engineering, Metallurgy and Mining*, **25 February 2018**, Ahvaz, Iran.

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Electrochemical Characterization of Multi-Metal Oxide Anodes in Electrowinning Process of Copper, *6th International Conference on Materials Engineering and Metallurgy (IMAT 2017)*, **28-29 October 2017**, Tehran, Iran.

Transient Liquid Phase Bonding of Similar Titanium/Titanium Joints, *6th International Conference on Materials Engineering and Metallurgy (IMAT 2017)*, **28-29 October 2017**, Tehran, Iran.

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Influence of Hot-wall Plasma Nitriding Treatment on Fatigue Behavior of 1.6582 Steel, *5th International Conference on Science and Engineering*, **13 December 2016**, Paris, France.

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Fabrication and Characterization of Mn-modified MnCo_2O_4 Spinel Coatings on Solid Oxide Fuel Cell Interconnects, *16th Iranian National Seminar on Surface Engineering*, **16-18 February 2016**, IHSRC Corporation, Iran

Cu-doped Nano- $\text{La}_{0.8}\text{Sr}_{0.2}\text{MnO}_3$ Protective Coatings on Metallic Interconnects for Solid Oxide Fuel Cell Application, *5th International Biennial Conference on Ultrafine Grained and Nanostructured Materials (UFGNSM15)*, **11-12 November 2015**, University of Tehran, Iran

Nano-45S5 Bioglass Coating on the Modified CP-Ti Substrate by MAO and EPD Processes, *5th International Biennial Conference on Ultrafine Grained and Nanostructured Materials (UFGNSM15)*, **11-12 November 2015**, University of Tehran, Iran

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Fabrication and Characterization of Electrophoretically Deposited Functionally Graded HA/TiO₂ Nanostructured Coatings, *1st International Conference on Advanced Ceramics*, **4-6 May 2015**, Materials & Energy Research Center (MERC), Iran.

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