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**EDUCATION**

**Ph.D In Materials Processing**Tohoku 1991-1994
**M.Sc In Recognition and Selection of Metallic Materials**Sharif University of Technology 1984-1987
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**PUBLICATIONS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **2603** | **28** | **191** | **27** | **3** |
| Citations | h-Index | Article | Conference | Book |

***Articles***

**1.** Microstructural engineering in carbon steel walls printed by directed energy deposition to enhance mechanical properties through heat-input control. Khebreh Farshchi Yasamin, Khodabakhshi Farzad, Mohri Maryam, Shirazi Hassan, Nili Ahmadabadi Mahmoud (2023)., Journal of Materials Research and Technology-JMR&T, 28(1).

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**5.** The effect of thermal and strain-induced aging on the mechanical behavior of room temperature ECAP processing of WE43 magnesium alloy. Daghigh Milad, Mohri Maryam, Ghanbari Hossein, Nili Ahmadabadi Mahmoud (2023)., Journal of Materials Research and Technology-JMR&T, 24(24), 8508-8521.

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**10.** Significant improvement in the thermal cycling stability of Ni44.8Ti45.8Hf5Cu5 shape memory alloy by high pressure torsion and post-deformation annealing. Baradari Sadjad, Resnina Natalia, Belyaev Sergey, Prokofiev Egor, Valiev Ruslan Z., Nili Ahmadabadi Mahmoud (2022)., Journal of Materials Research and Technology-JMR&T, 19(19), 2215-2224.

**11.** Cyclic Stability of Ni44.8Cu5Ti45.2Hf5 and Zr-Substituted Ni44.8Cu5Ti40.2Hf5Zr5 Medium-Entropy Shape Memory Alloys. Baradari Sadjad, Resnina Natalia, Belyaev Sergey, Nili Ahmadabadi Mahmoud (2022)., ADVANCED ENGINEERING MATERIALS, 24(10), 1-13.

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**23.** Evidence of FCC to HCP and BCC-martensitic transformations in a CoCrFeNiMn high-entropy alloy by severe plastic deformation. حامد شاهمیر, Asghari-rad Peyman, Mehranpour Mohammad Sajad, Forghani Farsad, Kim Hyoung Seop, Nili Ahmadabadi Mahmoud (2021)., MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, 807(1), 140875.

**24.** Phase evolution and mechanical properties of an intercritically-annealed Fe–10Ni–7Mn (wt. %) martensitic steel severely deformed by high-pressure torsion. Javadzadeh Kalahroudi Faezeh, حمیدرضا کوهدار, Langdon T.g, Nili Ahmadabadi Mahmoud (2021)., MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, 804(1), 140519.

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**30.** Nanostructural Evolution and Deformation Mechanisms of Severely Deformed Pure Fe. Forouzanmehr Nazanin, Jafarian Hamidreza, Samadi Khoshkhoo Mohsen, Bonisch Matthias, Nili Ahmadabadi Mahmoud (2020)., METALS AND MATERIALS INTERNATIONAL, 27(6), 1798-1807.

**31.** Effect of Cu on Amorphization of a TiNi Alloy during HPT and Shape Memory Effect after Post‐Deformation Annealing. حامد شاهمیر, Nili Ahmadabadi Mahmoud, Mohamadi Mehdi, Huang Yi, Andrezejczuk Mariusz, Lawandowska Matgorzata, Langdon T.g (2019)., ADVANCED ENGINEERING MATERIALS, 22(1), 1900387.

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**33.** Diffuse γ/γ′ interfaces in the hierarchical dual-phase nanostructure of a Ni-Al-Ti alloy. Forghani Farsad, Moon Jongun, Han Jong Chan, Rahimi Reza, Abbaschian Reza, Park Chan Gyung, Kim Hyoung Seop, Nili Ahmadabadi Mahmoud (2019)., MATERIALS CHARACTERIZATION, 153(1), 284-293.

**34.** Crystallization kinetics of Au50Cu25.5Ag7.5Si17 bulk metallic glass under continuous and iso-thermal heating. رحیمی چگنی مریم, Nili Ahmadabadi Mahmoud, Malekan Mehdi (2019)., metallurgy and materials engineering, 22(1).

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**41.** Shape memory characteristics of a nanocrystalline TiNi alloy processed by HPT followed by post-deformation annealing. Shahmir Hamed, Nili Ahmadabadi Mahmoud, Huang Yi, Myun Jung Jai, Seop Kim Hyoung, Langdon T.g (2018)., MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, 734(734), 445-452.

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**47.** Microstructural study and simulation of intrinsic two-way shape memory behavior of functionally graded Ni-rich/NiTiCu thin film. Mohry Maryam, Taghizadeh Milad, Wang Di, Hahn Horst, Nili Ahmadabadi Mahmoud (2018)., MATERIALS CHARACTERIZATION, 135(135), 317-324.

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**49.** On the Stability of Reversely Formed Austenite and Related Mechanism of Transformation in an Fe-Ni-Mn Martensitic Steel Aided by Electron Backscattering Diffraction and Atom Probe Tomography. Koohdar Hamidreza, Nili Ahmadabadi Mahmoud, Habibi Parsa Mohammad, Jafarian Hamidreza, Bhattacharjee Tilak, Tsuji Nobuhiro (2017)., METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE, 48(11), 5244-5257.

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**66.** Microstructure and mechanical behavior of a shape memory Ni–Ti bi-layer thin film. Mohry Maryam, Nili Ahmadabadi Mahmoud, Ivanisenko Julia, Schwaiger Ruth, Hahn B Horst, Kiran Chakravadhanula Venkata Sai (2015)., Thin Solid Films, 583(583), 245-254.

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