

# Ali Shafyei

## List of Publications by Year in descending order

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27  
papers

586  
citations

623734

14  
h-index

610901

24  
g-index

28  
all docs

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docs citations

28  
times ranked

509  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Fabrication and properties evaluation of novel Fe <sub>46</sub> -XCr <sub>23</sub> Mo <sub>14</sub> Co <sub>7</sub> PXB <sub>5</sub> Si <sub>5</sub> (X=0, 6) m metallic glasses deposited by DC magnetron sputtering. <i>Intermetallics</i> , 2021, 131, 107120.   | 3.9 | 4         |
| 2  | Microstructure, mechanical properties and corrosion performance of Fe <sub>44</sub> Cr <sub>15</sub> Mo <sub>14</sub> Co <sub>7</sub> C <sub>10</sub> B <sub>5</sub> Si <sub>5</sub> thin film metallic glass deposited by DC magnetron sputtering. <i>Journal of Non-Crystalline Solids</i> , 2020, 527, 119718. | 3.1 | 28        |
| 3  | Investigation of wetting properties of gold nanolayer coated aluminum surfaces textured with continuous-wave fiber laser ablation. <i>Thin Solid Films</i> , 2020, 711, 138278.   | 1.8 | 4         |
| 4  | Characterization and Evaluation of Tribological Properties of NiCrBSi-Gr Composite Coatings Deposited on Stainless Steel 420 by HVOF. <i>Journal of Thermal Spray Technology</i> , 2020, 29, 773-788.   | 3.1 | 7         |
| 5  | One-step fabrication of Au@Al <sub>2</sub> O <sub>3</sub> core-shell nanoparticles by continuous-wave fiber laser ablation of thin gold layer on aluminum surface: Structural and optical properties. <i>Optics and Laser Technology</i> , 2020, 126, 106066.   | 4.6 | 15        |
| 6  | Prediction of amorphous phase formation by thermodynamic and kinetic analysis, a Fe-based thin film metallic glass deposited by direct current magnetron sputtering. <i>Materials Research Express</i> , 2019, 6, 096407.   | 1.6 | 7         |
| 7  | Microstructure and Mechanical Properties of a Multiphase FeCrCuMnNi High-Entropy Alloy. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 2388-2398.  | 2.5 | 34        |
| 8  | Evaluation of the mechanical properties of the heat treated FeCrCuMnNi high entropy alloy. <i>Materials Chemistry and Physics</i> , 2019, 221, 68-77.   | 4.0 | 31        |
| 9  | Influence of gold nanolayer coating on the continuous-wave laser ablation of a pure aluminum surface: Evaluations of structural and optical features. <i>Thin Solid Films</i> , 2019, 672, 126-132.   | 1.8 | 9         |
| 10 | Oxidation Properties of a Beta-Stabilized TiAl Alloy Modified by Rare Earth Elements. <i>Oxidation of Metals</i> , 2018, 90, 421-434.   | 2.1 | 11        |
| 11 | Evaluation of hydrogen permeation through standalone thermally sprayed coatings of AISI 316L stainless steel. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 4657-4670.  | 7.1 | 9         |
| 12 | Effect of cold-rolling on microstructure, texture and mechanical properties of an equiatomic FeCrCuMnNi high entropy alloy. <i>Materialia</i> , 2018, 1, 175-184.   | 2.7 | 49        |
| 13 | Effect of Recrystallization and Phase Transitions on the Mechanical Properties of Semihard Magnetic FeCo-7.15V Alloy During the Thermomechanical Process. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2017, 48, 1903-1909.                                     | 2.2 | 7         |
| 14 | Diffusion behavior of hydrogen through thermally sprayed coating of 316L stainless steel. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 6409-6419.  | 7.1 | 24        |
| 15 | Shear punch test in Al/Alumina composite strips produced by powder metallurgy and accumulative roll bonding. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 667, 383-390.  | 5.6 | 17        |
| 16 | Evolution of Nanostructure in Al 1050 Sheet Deformed by Cryo-cross-rolling. <i>Journal of Materials Engineering and Performance</i> , 2016, 25, 1643-1649.  | 2.5 | 9         |
| 17 | Correlation Between Magnetic Properties and Allotropic Phase Transition of Fe-Co-V Alloy. <i>Acta Metallurgica Sinica (English Letters)</i> , 2015, 28, 1055-1058.  | 2.9 | 10        |
| 18 | A comparative study of microstructure and high temperature mechanical properties of a $\beta$ -stabilized TiAl alloy modified by lanthanum and erbium. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 624, 1-8.                            | 5.6 | 27        |

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|----|--|-----|-----------|
| 19 | The effect of lanthanum on the microstructure and high temperature mechanical properties of a beta-solidifying TiAl alloy. <i>Journal of Alloys and Compounds</i> , 2015, 618, 27-32.  | 5.5 | 18        |
| 20 | Evaluating the mechanical behavior of hot rolled Al/alumina composite strips using shear punch test. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 618, 490-495.   | 5.6 | 12        |
| 21 | Application of powder metallurgy and hot rolling processes for manufacturing aluminum/alumina composite strips. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 560, 567-574.  | 5.6 | 51        |
| 22 | Fabrication of Al/Ni/Cu composite by accumulative roll bonding and electroplating processes and investigation of its microstructure and mechanical properties. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 558, 386-393. | 5.6 | 93        |
| 23 | Plasma Sprayed Coating Using Mullite and Mixed Alumina/Silica Powders. <i>Journal of Thermal Spray Technology</i> , 2012, 21, 825-830.   | 3.1 | 20        |
| 24 | Effect of post-rolling annealing treatment and thickness of nickel coating on the bond strength of Al-Cu strips in cold roll bonding process. <i>Materials &amp; Design</i> , 2012, 40, 212-220.   | 5.1 | 53        |
| 25 | Effect of deep cryogenic treatment on the properties of 80CrMo12 5 tool steel. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2012, 19, 30-37.   | 4.9 | 21        |
| 26 | Fluid Flow and Mixing in Non-Isothermal Water Model of Continuous Casting Tundish. <i>Journal of Iron and Steel Research International</i> , 2008, 15, 7-13.   | 2.8 | 14        |
| 27 | Using a novel technique to shape a refractory castable by Cold Isostatic Pressing and a study of the effect of pressure on the hydration reaction of high-alumina cement. <i>Metals and Materials International</i> , 2007, 13, 77-82.   | 3.4 | 1         |