

Ali Shafyei

List of Publications by Year in descending order

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papers

586
citations

623734

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docs citations

28
times ranked

509
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of Al/Ni/Cu composite by accumulative roll bonding and electroplating processes and investigation of its microstructure and mechanical properties. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 558, 386-393.	5.6	93
2	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 & Design</i> , 2012, 40, 212-220.	5.1	53
3	Application of powder metallurgy and hot rolling processes for manufacturing aluminum/alumina composite strips. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 560, 567-574.	5.6	51
4	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
5	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
6	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
7	Microstructure, mechanical properties and corrosion performance of Fe ₄₄ Cr ₁₅ Mo ₁₄ Co ₇ C ₁₀ B ₅ Si ₅ thin film metallic glass deposited by DC magnetron sputtering. <i>Journal of Non-Crystalline Solids</i> , 2020, 527, 119718.	3.1	28
8	A comparative study of microstructure and high temperature mechanical properties of a β -stabilized TiAl alloy modified by lanthanum and erbium. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 624, 1-8.	5.6	27
9	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
10	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
11	Plasma Sprayed Coating Using Mullite and Mixed Alumina/Silica Powders. <i>Journal of Thermal Spray Technology</i> , 2012, 21, 825-830.	3.1	20
12	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
13	Shear punch test in Al/Alumina composite strips produced by powder metallurgy and accumulative roll bonding. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 667, 383-390.	5.6	17
14	One-step fabrication of Au@Al ₂ O ₃ 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
15	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
16	Evaluating the mechanical behavior of hot rolled Al/alumina composite strips using shear punch test. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 618, 490-495.	5.6	12
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Evolution of Nanostructure in Al 1050 Sheet Deformed by Cryo-cross-rolling. Journal of Materials Engineering and Performance, 2016, 25, 1643-1649.	2.5	9
20	Evaluation of hydrogen permeation through standalone thermally sprayed coatings of AISI 316L stainless steel. International Journal of Hydrogen Energy, 2018, 43, 4657-4670.	7.1	9
21	Influence of gold nanolayer coating on the continuous-wave laser ablation of a pure aluminum surface: Evaluations of structural and optical features. Thin Solid Films, 2019, 672, 126-132.	1.8	9
22	Effect of Recrystallization and Phase Transitions on the Mechanical Properties of Semihard Magnetic FeCo-7.15V Alloy During the Thermomechanical Process. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 1903-1909.	2.2	7
23	Prediction of amorphous phase formation by thermodynamic and kinetic analysis, a Fe-based thin film metallic glass deposited by direct current magnetron sputtering. Materials Research Express, 2019, 6, 096407.	1.6	7
24	Characterization and Evaluation of Tribological Properties of NiCrBSi-Gr Composite Coatings Deposited on Stainless Steel 420 by HVOF. Journal of Thermal Spray Technology, 2020, 29, 773-788.	3.1	7
25	Investigation of wetting properties of gold nanolayer coated aluminum surfaces textured with continuous-wave fiber laser ablation. Thin Solid Films, 2020, 711, 138278.	1.8	4
26	Fabrication and properties evaluation of novel Fe ₄₆ -XCr ₂₃ Mo ₁₄ Co ₇ PXB ₅ Si ₅ (X=0, 6) m metallic glasses deposited by DC magnetron sputtering. Intermetallics, 2021, 131, 107120.	3.9	4
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. Metals and Materials International, 2007, 13, 77-82.	3.4	1