

Kamran Amini

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Natural hydroxyapatite/diopside nanocomposite scaffold for bone tissue engineering applications: physical, mechanical, bioactivity and biodegradation evaluation. <i>Materials Technology</i> , 2022, 37, 36-48.	3.0	10
2	Evaluation the Properties of Polycaprolactone/Fluorapatite Nano-biocomposite. <i>Journal of Bionic Engineering</i> , 2022, 19, 179-187.	5.0	4
3	Effect of Vanadium and Rare Earth on the Structure, Phase Transformation Kinetics and Mechanical Properties of Carbide-Free Bainitic Steel Containing Silicon. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1668.	2.5	4
4	Role of interlayer composition in microstructure and mechanical properties during TLP bonding of GTD-111/IN-718 superalloys. <i>Transactions of Nonferrous Metals Society of China</i> , 2022, 32, 908-926.	4.2	2
5	The effect of shot peening time on mechanical properties and residual stress in Ti-6Al-4V alloy. <i>Metallurgical Research and Technology</i> , 2022, 119, 401.	0.7	6
6	Investigating the effect of deep cryogenic heat treatment on the wear behavior of 100Cr6 alloy steel. <i>Metallic Materials</i> , 2021, 52, 163-169.	0.3	11
7	Evolution of microstructure and mechanical properties on dissimilar transient liquid phase (TLP) bonding of GTD-111 and IN-718 by BNi-9 (AWS A5.8/A5.8M) interlayer. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2021, 65, 329-343.	2.5	5
8	Effect of tool offset on microstructure and mechanical properties of dissimilar copper-brass friction stir welding. <i>Metallurgical Research and Technology</i> , 2021, 118, 307.	0.7	2
9	The Effect of Silicon Percentage and Shot Peening Operation on Mechanical Properties of Hadfield Steel Containing 17% Manganese. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2021, 57, 589-596.	1.1	1
10	Analysis of hadfield scrap shredder hammer fracture and replacing it with carbide-free nano-bainitic steel. <i>Engineering Failure Analysis</i> , 2020, 109, 104230.	4.0	8
11	Surface treatment of titanium dental implant with H ₂ O ₂ solution. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2020, 27, 1281-1286.	4.9	10
12	Effect of Shot Peening Operation on the Microstructure and Wear Behavior of AZ31 Magnesium Alloy. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2020, 56, 164-168.	1.1	10
13	Fabrication and Characterization of Poly Lactic Acid Scaffolds by Fused Deposition Modeling for Bone Tissue Engineering. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2020, 35, 248-251.	1.0	21
14	Corrosion behavior of dissimilar copper/brass joints welded by friction stir lap welding in alkaline solution. <i>Journal of Central South University</i> , 2019, 26, 1573-1581.	3.0	3
15	Linking air-void system and mechanical properties to salt-scaling resistance of concrete containing slag cement. <i>Cement and Concrete Composites</i> , 2019, 104, 103364.	10.7	11
16	Effect of Molybdenum on Metallurgical and Wear Properties of Fe-Cr Hard facing alloy. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2019, 55, 942-950.	1.1	3
17	The Effect of Deep Cryogenic Treatment on Microstructure and Wear Behavior of H11 Tool Steel. <i>Physics of Metals and Metallography</i> , 2019, 120, 888-897.	1.0	19
18	Effect of finishing practices on surface structure and salt-scaling resistance of concrete. <i>Cement and Concrete Composites</i> , 2019, 104, 103345.	10.7	7

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19	The combined effect of cryogenic and boronising treatments on the wear behaviour and microstructure of DIN 1.2344 steel. Transactions of the Institute of Metal Finishing, 2019, 97, 121-128.	1.3	5
20	Effect of mixture proportions on concrete performance. Construction and Building Materials, 2019, 212, 77-84.	7.2	11
21	Effect of curing regimes on hardened performance of concrete containing slag cement. Construction and Building Materials, 2019, 211, 771-778.	7.2	8
22	Development of Prediction Models for Mechanical Properties and Durability of Concrete Using Combined Nondestructive Tests. Journal of Materials in Civil Engineering, 2019, 31, 04018378.	2.9	9
23	THE EFFECT OF ELECTROLYTE TEMPERATURE AND SEALING SOLUTION IN ANODIZING OPERATION ON HARDNESS AND WEAR BEHAVIOR OF 7075 -T6 ALUMINUM ALLOY. Surface Review and Letters, 2019, 26, 1850143.	1.1	5
24	Effects of Mixture Proportioning, Curing, and Finishing on Concrete Surface Hardness. ACI Materials Journal, 2019, 116, .	0.2	2
25	The Effect of Tempering Temperature on Microstructure and the Mechanical Properties of Forged Steel Containing Chrome, Manganese and Molybdenum. Mechanika, 2019, 24, .	0.5	3
26	Comparison between Quench Tempering and Quasi Quench Partitioning Treatment on Structure and Mechanical Properties of Cr-Mo Steel. Materials Performance and Characterization, 2019, 8, 297-304.	0.3	0
27	Statistical Modeling of Hydraulic and Mechanical Properties of Pervious Concrete Using Nondestructive Tests. Journal of Materials in Civil Engineering, 2018, 30, .	2.9	15
28	Fabrication and evaluation of amalgam/nano hydroxyapatite composites for dental restoration. Materials Research Express, 2018, 5, 105403.	1.6	1
29	Evaluation of the microstructure and mechanical properties of friction stir-welded copper/brass dissimilar joints. Materials Research Express, 2018, 5, 076517.	1.6	3
30	EFFECTS OF CRYOGENIC TREATMENT ON MICROSTRUCTURE AND WEAR RESISTANCE OF Fe-0.35C-6.3Cr MARTENSITIC STEEL. Acta Metallurgica Slovaca, 2018, 24, 134-146.	0.7	3
31	A Study on the Effect of Austempering Temperature on Microstructure and Mechanical Properties of DIN 36CrNiMo4 Carbide-Free Nano Bainitic Steel. Materials Performance and Characterization, 2018, 8, 20180022.	0.3	0
32	Structural modification of a steam turbine blade. IOP Conference Series: Materials Science and Engineering, 2017, 203, 012007.	0.6	6
33	Influence of heat treatment on mechanical properties and microstructure of the Al ₂ O ₃ /SiC composite produced by multi-pass friction stir processing. Measurement: Journal of the International Measurement Confederation, 2017, 104, 151-158.	5.0	41
34	The effect of shot peening and precipitation hardening on the wear behavior of high manganese austenitic steels. Metallurgical Research and Technology, 2017, 114, 507.	0.7	4
35	Friction Stir Welding of Dissimilar Joints Between Commercially Pure Titanium Alloy and 7075 Aluminium Alloy. Transactions of Famena, 2017, 41, 81-90.	0.6	6
36	The Effect of Heat Treatment on Mechanical Properties and Microstructure of the AISI 422 Martensitic Stainless Steel. Mechanika, 2017, 22, .	0.5	3

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37	Investigating the effect of the deep cryogenic heat treatment on the corrosion behavior of the 1.2080 tool steel. <i>Metallic Materials</i> , 2016, 54, 331-338.	0.3	2
38	Friction stir welding of dissimilar joint of aluminum alloy 5083 and commercially pure titanium. <i>Metallic Materials</i> , 2016, 54, 71-75.	0.3	13
39	Influence of welding speed on corrosion behaviour of friction stir welded AA5086 aluminium alloy. <i>Journal of Central South University</i> , 2016, 23, 1301-1311.	3.0	24
40	Cryogenic heat treatment of the ferrous materials – a review of the current state. <i>Metallurgical Research and Technology</i> , 2016, 113, 611.	0.7	12
41	Effect of Carbide Distribution on Corrosion Behavior of the Deep Cryogenically Treated 1.2080 Steel. <i>Journal of Materials Engineering and Performance</i> , 2016, 25, 365-373.	2.5	10
42	Effect of binder composition on time-dependent stability and robustness characteristics of self-consolidating mortar subjected to prolonged agitation. <i>Construction and Building Materials</i> , 2016, 112, 654-665.	7.2	12
43	Linking stability characteristics to material performance of self-consolidating concrete-equivalent-mortar incorporating fly ash and metakaolin. <i>Construction and Building Materials</i> , 2016, 105, 206-217.	7.2	19
44	Advancing concrete strength prediction using non-destructive testing: Development and verification of a generalizable model. <i>Construction and Building Materials</i> , 2016, 102, 762-768.	7.2	74
45	Investigating the Effect of Passes Number on Microstructural and Mechanical Properties of the Al2024/SiC Composite Produced by Friction Stir Processing. <i>Mechanika</i> , 2016, 21, .	0.5	2
46	Microstructure and Mechanical Properties of AA5086 Aluminum Alloy by Friction Stir Welding. <i>Mechanika</i> , 2016, 22, .	0.5	0
47	Investigating the effect of holding duration at a deep cryogenic temperature on the wear behavior of DIN 1.2080 (D3) tool steel. <i>Metallurgical Research and Technology</i> , 2015, 112, 401.	0.7	0
48	Effect of Deep Cryogenic Heat Treatment on the Wear Behavior of Carburized DIN 1.7131 Grade Steel. <i>Acta Metallurgica Sinica (English Letters)</i> , 2015, 28, 348-353.	2.9	16
49	Investigating the effect of quench environment and deep cryogenic treatment on the wear behavior of AZ91. <i>Materials & Design</i> , 2014, 54, 154-160.	5.1	57
50	Investigation of the Effect of Heat Treatment on the Mechanical Properties and Microstructure of DIN 1.4057 Martensitic Stainless Steel. <i>Metal Science and Heat Treatment</i> , 2014, 55, 499-503.	0.6	6
51	Investigating the effect of titanium addition on the wear resistance of Hadfield steel. <i>Metallurgical Research and Technology</i> , 2014, 111, 375-382.	0.7	12
52	Investigating the effect of ball milling during the deep cryogenic heat treatment of the 1.2080 tool steel. <i>Vacuum</i> , 2013, 90, 70-74.	3.5	16
53	Effect of mineral admixtures on fluidity and stability of self-consolidating mortar subjected to prolonged mixing time. <i>Construction and Building Materials</i> , 2013, 40, 1029-1037.	7.2	58
54	Investigating the effect of the quench environment on the final microstructure and wear behavior of 1.2080 tool steel after deep cryogenic heat treatment. <i>Materials & Design</i> , 2013, 45, 316-322.	5.1	42

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55	Investigating the effect of electric current flow on the wear behavior of 1.2080 tool steel during the deep cryogenic heat treatment. <i>Materials & Design</i> , 2013, 45, 103-109.	5.1	24
56	Effect of deep cryogenic treatment on the formation of nano-sized carbides and the wear behavior of D2 tool steel. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2012, 19, 795-799.	4.9	45
57	Effect of simultaneous magnetic field and deep cryogenic heat treatment on the microstructure of 1.2080 tool steel. <i>Materials & Design</i> , 2012, 35, 484-490.	5.1	24
58	Effects of applying an external magnetic field during the deep cryogenic heat treatment on the corrosion resistance and wear behavior of 1.2080 tool steel. <i>Materials & Design</i> , 2012, 41, 114-123.	5.1	50
59	Investigating the effect of holding duration on the microstructure of 1.2080 tool steel during the deep cryogenic heat treatment. <i>Vacuum</i> , 2012, 86, 1534-1540.	3.5	93
60	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
61	Influence of different cryotreatments on tribological behavior of 80CrMo12 5 cold work tool steel. <i>Materials & Design</i> , 2010, 31, 4666-4675.	5.1	65