

Farahnaz Haftlang

List of Publications by Year in descending order

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papers

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citations

758635

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26
times ranked

220
citing authors

#	ARTICLE	IF	CITATIONS
1	A perspective on precipitation-hardening high-entropy alloys fabricated by additive manufacturing. <i>Materials and Design</i> , 2021, 211, 110161.	3.3	67
2	Comparative tribological studies of duplex surface treated AISI 1045 steels fabricated by combinations of plasma nitriding and aluminizing. <i>Materials & Design</i> , 2014, 60, 580-586.	5.1	35
3	Simultaneous effects of deformation-induced plasticity and precipitation hardening in metastable non-equiatomic FeNiCoMnTiSi ferrous medium-entropy alloy at room and liquid nitrogen temperatures. <i>Scripta Materialia</i> , 2021, 202, 114013.	2.6	28
4	Improving electrochemical properties of AISI 1045 steels by duplex surface treatment of plasma nitriding and aluminizing. <i>Applied Surface Science</i> , 2015, 329, 240-247.	3.1	26
5	Evaluation of niobium carbide coatings produced on AISI L2 steel via thermo-reactive diffusion technique. <i>Vacuum</i> , 2017, 146, 44-51.	1.6	24
6	Duplex treatment of AISI 1045 steel by plasma nitriding and aluminizing. <i>Vacuum</i> , 2014, 107, 155-158.	1.6	20
7	Duplex Surface Treatment of AISI 1045 Steel Via Pack Boriding and Plasma Nitriding: Characterization and Tribological Studies. <i>Journal of Tribology</i> , 2018, 140, .	1.0	18
8	The subsurface deformed region and superficial protective tribo-oxide layer during wear in a non-equiatomic CoCrFeNiV high entropy alloy. <i>Materials and Design</i> , 2022, 218, 110685.	3.3	17
9	The wear induced crystallographic texture transition in Ti-29Nb-14Ta-4.5Zr alloy. <i>Applied Surface Science</i> , 2019, 491, 360-373.	3.1	16
10	The subsurface frictional hardening: A new approach to improve the high-speed wear performance of Ti-29Nb-14Ta-4.5Zr alloy against Ti-6Al-4V extra-low interstitial. <i>Wear</i> , 2019, 422-423, 137-150.	1.5	16
11	Room-temperature micro and macro mechanical properties of the metastable Ti-29Nb-14Ta-4.5Zr alloy holding nano-sized precipitates. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 771, 138583.	2.6	16
12	Effects of processing parameters and heat treatment on the microstructure and magnetic properties of the in-situ synthesized Fe-Ni permalloy produced using direct energy deposition. <i>Journal of Alloys and Compounds</i> , 2022, 907, 164415.	2.8	15
13	Outstanding Mild Wear Performance of Ti-29Nb-14Ta-4.5Zr Alloy Through Subsurface Grain Refinement and Supporting Effect of Transformation Induced Plasticity. <i>Metals and Materials International</i> , 2020, 26, 467-476.	1.8	13
14	Superior phase transformation-assisted mechanical properties of a metastable medium-entropy ferrous alloy with heterogeneous microstructure. <i>Materials Letters</i> , 2021, 302, 130391.	1.3	13
15	The effect of nano-size second precipitates on the structure, apatite-inducing ability and in-vitro biocompatibility of Ti-29Nb-14Ta-4.5Zr alloy. <i>Materials Science and Engineering C</i> , 2020, 109, 110561.	3.8	12
16	In-situ frictional grain refinement of Ti-29Nb-14Ta-4.5Zr bio-alloy during high-speed sliding wear. <i>Materials Letters</i> , 2020, 261, 127083.	1.3	11
17	Tribological characterization of TiN coating fabricated by duplex surface treatment of pack-titanizing and plasma-nitriding. <i>Materials Research Express</i> , 2019, 6, 096444.	0.8	6
18	Mechanical and magnetic properties of soft magnetic Fe-Ni permalloy produced by directed energy deposition processes. <i>Journal of Materials Science</i> , 2022, 57, 17967-17983.	1.7	6

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19	Tribological Performance and Electrochemical Behavior of Ti-29Nb-14Ta-4.5Zr Alloy in Simulated Physiological Solution. <i>Advanced Engineering Materials</i> , 2020, 22, 1900758.	1.6	5
20	Characterization and tribological performance of TiB ₂ /TiB composite coatings fabricated by duplex surface treatment. <i>Materials Letters</i> , 2020, 281, 128626.	1.3	5
21	Excellent combination of cryogenic strength and ductility of a metastable Fe ₆₅ Ni ₁₅ Co ₈ Mn ₈ Ti ₃ Si medium entropy alloy through the exceptional deformation-induced martensitic transformation. <i>Journal of Materials Science</i> , 2022, 57, 18062-18074.	1.7	5
22	Influence of Treatment Sequence on Tribological Performance of Duplex Surface-Treated AISI 1045 Steel. <i>Acta Metallurgica Sinica (English Letters)</i> , 2019, 32, 1227-1236.	1.5	4
23	Microstructural evolution and corrosion behavior of Sanicro 28 during thermomechanical processing. <i>Materials Today Communications</i> , 2020, 24, 101228.	0.9	4
24	The effect of nano-size second phases on the tribological performance of TNTZ alloy. <i>Materials Research Express</i> , 2019, 6, 095031.	0.8	1
25	<i>In vitro</i> comparative investigation of bioactivity and biocompatibility behavior of titanium nano-composites fabricated by friction stir processing. <i>Materials Research Express</i> , 2019, 6, 125425.	0.8	1
26	The influence of laser powder-bed fusion microstructures on the corrosion behavior of CuSn alloy. <i>Journal of Materials Science</i> , 0, , 1.	1.7	1