

Yahya Palizdar

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

473
citations

759233

12
h-index

752698

20
g-index

37
all docs

37
docs citations

37
times ranked

495
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of adding Y and Ce on corrosion behaviour of the extruded ZK60 magnesium alloy. <i>Corrosion Engineering Science and Technology</i> , 2022, 57, 1-6.	1.4	3
2	Experimental and Simulation Study on Wear Behavior of ZK60 Alloy with 3 wt.% Yttrium Addition. <i>Journal of Materials Engineering and Performance</i> , 2022, 31, 4721-4734.	2.5	9
3	Towards physical and mechanical properties of the novel Al-Cr-Ni-Fe decagonal quasicrystal and crystalline approximants. <i>Advanced Powder Technology</i> , 2022, 33, 103383.	4.1	4
4	Effect of Rare Earth Elements on the Microstructural and Mechanical Properties of ZK60 Alloy after T5 Treatment. <i>Russian Journal of Non-Ferrous Metals</i> , 2022, 63, 223-236.	0.6	0
5	Characterization, growth kinetics and formation mechanism of aluminide coating by plasma paste aluminizing on IN738. <i>Vacuum</i> , 2021, 184, 109968.	3.5	14
6	Effect of Ce Addition on the Tribological Behavior of ZK60 Mg-Alloy. <i>Metals and Materials International</i> , 2021, 27, 2732-2742.	3.4	16
7	An uncomplicated method for growing nano-quasicrystalline structures in the AlCuFeB quaternary alloy system: A short-time milling. <i>MethodsX</i> , 2021, 8, 101305.	1.6	3
8	The Effect of Y Addition on the Microstructure and Work Hardening Behavior of Mg-Zn-Zr Alloys. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 2574-2585.	2.5	8
9	Low-carbon cast microalloyed steel intercritically heat-treated at different temperatures: microstructure and mechanical properties. <i>Archives of Civil and Mechanical Engineering</i> , 2021, 21, 1.	3.8	2
10	First-time synthesis of an unparalleled Al ₇₂ Cr ₁₅ Ni ₁₃ decagonal quasicrystalline phase with the help of mechanical alloying and annealing procedures: A comparative study. <i>Powder Technology</i> , 2021, 389, 243-258.	4.2	7
11	Microstructural characteristics of fusion zone in continuous wave fiber laser welded Nb-modified $\hat{\Gamma}$ -TRIP steel. <i>Journal of Materials Research and Technology</i> , 2021, 15, 3635-3635.	5.8	6
12	Regulating tensile properties through bainitic transformation temperature in a hot-rolled $\hat{\Gamma}$ -TRIP steel. <i>Materials Science and Technology</i> , 2020, 36, 223-232.	1.6	3
13	Effect of milling time on XRD phases and microstructure of a novel Al ₆₇ Cu ₂₀ Fe ₁₀ B ₃ quasicrystalline alloy. <i>Materials Research Express</i> , 2020, 7, 065011.	1.6	11
14	Ultrafast synthesis of the nanostructured Al ₅₉ Cu _{25.5} Fe _{12.5} B ₃ quasicrystalline and crystalline phases by high-energy ball milling: Microhardness, electrical resistivity, and solar cell absorptance studies. <i>Advanced Powder Technology</i> , 2020, 31, 4319-4335.	4.1	10
15	The effect of Ce addition (up to 3%) and extrusion ratio on the microstructure and tensile properties of ZK60 Mg alloy. <i>Materials Research Express</i> , 2019, 6, 086594.	1.6	7
16	Tensile behavior of normalized low carbon Nb-microalloyed steel in the presence of rare earth elements. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 749, 56-64.	5.6	14
17	The effect of Nb on microstructure, mechanical, and corrosion behavior of low Mn, microalloyed $\hat{\Gamma}$ -TRIP steel; a comparative study. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2019, 70, 434-443.	1.5	2
18	Comparison of ANFIS and ANN modeling for predicting the behavior of a catalytic methane reformer. <i>Bulgarian Chemical Communications</i> , 2019, 51, 190-199.	0.2	0

#	ARTICLE	IF	CITATIONS
19	The effect of double steps heat treatment on the microstructure of nanostructure bainitic medium carbon steels. AIP Conference Proceedings, 2018, , .	0.4	1
20	Contributions of Rare Earth Element (La,Ce) Addition to the Impact Toughness of Low Carbon Cast Niobium Microalloyed Steels. Metals and Materials International, 2018, 24, 773-788.	3.4	51
21	Evolution of Pearlite Microstructure in Low-Carbon Cast Microalloyed Steel Due to the Addition of La and Ce. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 4495-4508.	2.2	20
22	Effect of Al and Mo addition on phase formation, mechanical and microstructure properties of spark plasma sintered iron alloy. Materials Today Communications, 2017, 13, 221-231.	1.9	35
23	The Influence of La and Ce Addition on Inclusion Modification in Cast Niobium Microalloyed Steels. Metals, 2017, 7, 377.	2.3	35
24	Unexpected Effect of Nb Addition as a Microalloying Element on Mechanical Properties of $\hat{\gamma}$ -TRIP Steels. Journal of Iron and Steel Research International, 2016, 23, 988-996.	2.8	14
25	Synthesis and characterization of silver doped hydroxyapatite nanocomposite coatings and evaluation of their antibacterial and corrosion resistance properties in simulated body fluid. Materials Science and Engineering C, 2016, 69, 675-684.	7.3	94
26	Observation of thermally etched grain boundaries with the FIB/TEM technique. Materials Characterization, 2013, 84, 28-33.	4.4	11
27	Synthesis, Characterization, and Cytotoxicity Studies of a Novel Palladium(II) Complex and Evaluation of DNA-Binding Aspects. Nucleosides, Nucleotides and Nucleic Acids, 2013, 32, 366-388.	1.1	12
28	Demonstration of elemental partitioning during austenite formation in low-carbon aluminium alloyed steel. Journal of Materials Science, 2011, 46, 2384-2387.	3.7	6
29	Influence of Aluminum Alloying and Heating Rate on Austenite Formation in Low Carbon-Manganese Steels. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 2591-2608.	2.2	16
30	Accurate analysis of EBSD data for phase identification. Journal of Physics: Conference Series, 2010, 241, 012104.	0.4	2
31	The effect of deliberate aluminium additions on the microstructure of rolled steel plate characterized using EBSD. Materials Characterization, 2010, 61, 159-167.	4.4	13
32	Application of Nomarski differential interference contrast microscopy to highlight the prior austenite grain boundaries revealed by thermal etching. Materials Characterization, 2010, 61, 584-588.	4.4	24
33	Electron Backscattered Diffraction of MonoCrystalline Bismuth Titanate. Journal of the American Ceramic Society, 2010, 93, 3604-3606.	3.8	5
34	Understanding the effect of aluminium on microstructure in low level nitrogen steels. Materials Science and Technology, 2009, 25, 1243-1248.	1.6	7
35	Understanding the role of aluminium in low level nitrogen steels via microstructural characterisation. Journal of Physics: Conference Series, 2008, 126, 012019.	0.4	5
36	Effect of B ₄ C reinforcement and hot rolling on microstructure and mechanical properties of WE43 magnesium matrix composite. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 0, , 146442072210859.	1.1	2