Yahya Palizdar

List of Publications by Year
in descending order

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	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
2	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
3	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
4	The Influence of La and Ce Addition on Inclusion Modification in Cast Niobium Microalloyed Steels. Metals, 2017, 7, 377.	2.3	35
5	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
6	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
7	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
8	Effect of Ce Addition on the Tribological Behavior of ZK60 Mg-Alloy. Metals and Materials International, 2021, 27, 2732-2742.	3.4	16
9	Unexpected Effect of Nb Addition as a Microalloying Element on Mechanical Properties of Î´-TRIP Steels. Journal of Iron and Steel Research International, 2016, 23, 988-996.	2.8	14
10	Tensile behavior of normalized low carbon Nb-microalloyed steel in the presence of rare earth elements. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 749, 56-64.	5.6	14
11	Characterization, growth kinetics and formation mechanism of aluminide coating by plasma paste aluminizing on IN738. Vacuum, 2021, 184, 109968.	3.5	14
12	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
13	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
14	Observation of thermally etched grain boundaries with the FIB/TEM technique. Materials Characterization, 2013, 84, 28-33.	4.4	11
15	Effect of milling time on XRD phases and microstructure of a novel Al₆₇Cu₂₀Fe₁₀B₃ quasicrystalline alloy. Materials Research Express, 2020, 7, 065011.	1.6	11
16	Ultrafast synthesis of the nanostructured Al59Cu25.5Fe12.5B3 quasicrystalline and crystalline phases by high-energy ball milling: Microhardness, electrical resistivity, and solar cell absorptance studies. Advanced Powder Technology, 2020, 31, 4319-4335.	4.1	10
17	Experimental and Simulation Study on Wear Behavior of ZK60 Alloy with 3 wt.% Yttrium Addition. Journal of Materials Engineering and Performance, 2022, 31, 4721-4734.	2.5	9
18	The Effect of Y Addition on the Microstructure and Work Hardening Behavior of Mg-Zn-Zr Alloys. Journal of Materials Engineering and Performance, 2021, 30, 2574-2585.	2.5	8

#	Article	IF	Citations
19	Understanding the effect of aluminium on microstructure in low level nitrogen steels. Materials Science and Technology, 2009, 25, 1243-1248.	1.6	7
20	The effect of Ce addition (up to 3%) and extrusion ratio on the microstructure and tensile properties of ZK60 Mg alloy. Materials Research Express, 2019, 6, 086594.	1.6	7
21	First-time synthesis of an unparalleled Al72Cr15Ni13 decagonal quasicrystalline phase with the help of mechanical alloying and annealing procedures: A comparative study. Powder Technology, 2021, 389, 243-258.	4.2	7
22	Demonstration of elemental partitioning during austenite formation in low-carbon aluminium alloyed steel. Journal of Materials Science, 2011, 46, 2384-2387.	3.7	6
23	Microstructural characteristics of fusion zone in continuous wave fiber laser welded Nb-modified Î´-TRIP steel. Journal of Materials Research and Technology, 2021, 15, 3635-3635.	5.8	6
24	Understanding the role of aluminium in low level nitrogen steels via microstructural characterisation. Journal of Physics: Conference Series, 2008, 126, 012019.	0.4	5
25	Electron Backscattered Diffraction of MonoCrystalline Bismuth Titanate. Journal of the American Ceramic Society, 2010, 93, 3604-3606.	3.8	5
26	Towards physical and mechanical properties of the novel Al-Cr-Ni-Fe decagonal quasicrystal and crystalline approximants. Advanced Powder Technology, 2022, 33, 103383.	4.1	4
27	Regulating tensile properties through bainitic transformation temperature in a hot-rolled Î´-TRIP steel. Materials Science and Technology, 2020, 36, 223-232.	1.6	3
28	An uncomplicated method for growing nano-quasicrystalline structures in the AlCuFeB quaternary alloy system: A short-time milling. MethodsX, 2021, 8, 101305.	1.6	3
29	Effect of adding Y and Ce on corrosion behaviour of the extruded ZK60 magnesium alloy. Corrosion Engineering Science and Technology, 2022, 57, 1-6.	1.4	3
30	Accurate analysis of EBSD data for phase identification. Journal of Physics: Conference Series, 2010, 241, 012104.	0.4	2
31	The effect of Nb on microstructure, mechanical, and corrosion behavior of low Mn, microalloyed Î‘â€TRIP steel; a comparative study. Materials and Corrosion - Werkstoffe Und Korrosion, 2019, 70, 434-443.	1.5	2
32	Low-carbon cast microalloyed steel intercritically heat-treated at different temperatures: microstructure and mechanical properties. Archives of Civil and Mechanical Engineering, 2021, 21, 1.	3.8	2
33	Effect of B₄C 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
34	The effect of double steps heat treatment on the microstructure of nanostructure bainitic medium carbon steels. AIP Conference Proceedings, 2018, , .	0.4	1
35	Comparison of ANFIS and ANN modeling for predicting the behavior of a catalytic methane reformer. Bulgarian Chemical Communications, 2019, 51, 190-199.	0.2	0
36	Effect of Rare Earth Elements on the Microstructural and Mechanical Properties of ZK60 Alloy after T5 Treatment. Russian Journal of Non-Ferrous Metals, 2022, 63, 223-236.	0.6	0