Yousef Mazaheri

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6930587/publications.pdf

Version: 2024-02-01

52 papers	1,570 citations	257101 24 h-index	329751 37 g-index
52 all docs	52 docs citations	52 times ranked	1247 citing authors

#	Article	IF	Citations
1	High Strength-Elongation Balance in Warm Accumulative Roll Bonded AA1050 Sheets. Metals and Materials International, 2022, 28, 346-360.	1.8	4
2	Mechanical properties and tribological performance of A356/Cr3C2-NiCr surface composite developed by high-velocity oxy-fuel and post friction stir processing treatment. Surfaces and Interfaces, 2022, 28, 101627.	1.5	8
3	Control on nanostructured quaternary Tiâ€“Alâ€“Oâ€“B composite synthesized via electrospinning method, from nanoparticles to nanowhiskers. Journal of Sol-Gel Science and Technology, 2021, 98, 127-137.	1.1	7
4	The Effects of Age Hardening on Tribological Behavior of Lightweight Fe-Mn-Al-C Steel. Journal of Materials Engineering and Performance, 2021, 30, 4629-4640.	1.2	4
5	Improving the fracture toughness of multi-layered commercial pure aluminum via warm accumulative roll bonding. International Journal of Advanced Manufacturing Technology, 2021, 116, 3603-3617.	1.5	5
6	Substantial electrode life enhancement in resistance spot welding of galvanised steels through nanolayered multi-layer CrN/(Cr,Al)N coating. Surface Engineering, 2021, 37, 1163-1175.	1.1	3
7	Improving mechanical and tribological performances of pure copper matrix surface composites reinforced by Ti2AlC MAX phase and MoS2 nanoparticles. Materials Chemistry and Physics, 2021, 270, 124790.	2.0	16
8	Criterion for predicting expulsion in resistance spot welding of steel sheets. Journal of Materials Processing Technology, 2020, 275, 116329.	3.1	22
9	Tribological behavior of AZ31/ZrO2 surface nanocomposites developed by friction stir processing. Tribology International, 2020, 143, 106062.	3.0	62
10	On the Simultaneous Improving of Strength and Elongation in Dual Phase Steels via Cold Rolling. Metals, 2020, 10, 1676.	1.0	2
11	Mechanism of TiC formation in laser surface treatment of the commercial pure titanium pre-coated by carbon using PVD process. Journal of Alloys and Compounds, 2020, 834, 155080.	2.8	10
12	Production and investigation of mechanical properties and electrical resistivity of cement-matrix nanocomposites with graphene oxide and carbon nanotube reinforcements. Archives of Civil and Mechanical Engineering, 2020, 20, 1.	1.9	18
13	A new approach to synthesis Ti2AlC MAX phase using PVD coating and post-laser treatment. Surface and Coatings Technology, 2020, 385, 125314.	2.2	12
14	Prediction of the failure mode of automotive steels resistance spot welds. Science and Technology of Welding and Joining, 2020, 25, 511-517.	1.5	18
15	Effect of mono and hybrid ceramic reinforcement particles on the tribological behavior of the AZ31 matrix surface composites developed by friction stir processing. Ceramics International, 2020, 46, 20345-20356.	2.3	46
16	Effect of Friction Stir Processing on the Microhardness, Wear and Corrosion Behavior of Al6061 and Al6061/SiO2 Nanocomposites. Journal of Materials Engineering and Performance, 2019, 28, 4826-4837.	1.2	21
17	On the surface reinforcing of A356 aluminum alloy by nanolayered Ti3AlC2 MAX phase via friction stir processing. Surface and Coatings Technology, 2019, 377, 124884.	2.2	25
18	Correlation of ferrite and martensite micromechanical behavior with mechanical properties of ultrafine grained dual phase steels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 764, 138206.	2.6	32

#	Article	IF	Citations
19	High strength-elongation balance in ultrafine grained ferrite-martensite dual phase steels developed by thermomechanical processing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 761, 138021.	2.6	39
20	Development of Cu-TiO2 surface nanocomposite by friction stir processing: Effect of pass number on microstructure, mechanical properties, tribological and corrosion behavior. Journal of Alloys and Compounds, 2019, 783, 886-897.	2.8	40
21	Development of A356/Al2O3â€¯+â€¯SiO2 surface hybrid nanocomposite by friction stir processing. Surface and Coatings Technology, 2019, 360, 121-132.	2.2	48
22	Simultaneous Investigation of the Effect of Advanced Thermomechanical Treatment and Repetitive Cyclic Voltammetry on the Electrochemical Behavior of AISI 430 Ferritic Stainless Steel. Journal of Materials Engineering and Performance, 2017, 26, 676-684.	1.2	7
23	An Investigation of mechanical properties in accumulative roll bonded nano-grained pure titanium. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 688, 218-224.	2.6	29
24	Microstructural evolution and mechanical properties of ultrafine grained AA2024 processed by accumulative roll bonding. International Journal of Advanced Manufacturing Technology, 2017, 93, 681-689.	1.5	26
25	Strengthening mechanisms of nano-grained commercial pure titanium processed by accumulative roll bonding. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 693, 164-169.	2.6	48
26	Electrochemical Behavior Assessment of Micro- and Nano-Grained Commercial Pure Titanium in H2SO4 Solutions. Journal of Materials Engineering and Performance, 2017, 26, 611-620.	1.2	7
27	Effect of immersion time on the passive and electrochemical response of annealed and nano-grained commercial pure titanium in Ringer's physiological solution at 37 Â°C. Materials Science and Engineering C, 2017, 71, 771-779.	3.8	54
28	The effect of Nb on texture evolutions of the ultrafine-grained dual-phase steels fabricated by cold rolling and intercritical annealing. Journal of Alloys and Compounds, 2017, 694, 1026-1035.	2.8	24
29	The influence of cyclic voltammetry passivation on the electrochemical behavior of fine and coarse-grained AISI 430 ferritic stainless steel in an alkaline solution. Journal of Alloys and Compounds, 2016, 677, 42-51.	2.8	28
30	Electrochemical Behavior of Passive Films Formed on the Surface of Coarse-, Fine- and Ultra-fine-Grained AA1050 Based on a Modified PDM. Acta Metallurgica Sinica (English Letters), 2016, 29, 629-637.	1.5	6
31	On the study of tensile and strain hardening behavior of a thermomechanically treated ferritic stainless steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 669, 480-489.	2.6	21
32	Correlation of microstructure and strain hardening behavior in the ultrafine-grained Nb-bearing dual phase steels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 678, 215-226.	2.6	44
33	Microstructure, mechanical properties and electrochemical behavior of AA1050 processed by accumulative roll bonding (ARB). Journal of Alloys and Compounds, 2016, 688, 44-55.	2.8	43
34	Strengthening Mechanisms and Electrochemical Behavior of Ultrafine-Grained Commercial Pure Copper Fabricated by Accumulative Roll Bonding. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 3684-3693.	1.1	13
35	Electrochemical Behavior of Pure Copper in Phosphate Buffer Solutions: A Comparison Between Micro- and Nano-Grained Copper. Journal of Materials Engineering and Performance, 2016, 25, 697-703.	1.2	6
36	Kinetics of Ferrite Recrystallization and Austenite Formation During Intercritical Annealing of the Cold-Rolled Ferrite/Martensite Duplex Structures. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 1040-1051.	1.1	19

#	Article	IF	Citations
37	Development of a high strength and ductile Nb-bearing dual phase steel by cold-rolling and intercritical annealing of the ferrite-martensite microstructures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 658, 355-366.	2.6	43
38	Effects of grain size and dislocation density on strain hardening behavior of ultrafine grained AA1050 processed by accumulative roll bonding. Journal of Alloys and Compounds, 2016, 658, 854-861.	2.8	92
39	Microstructural evolution, mechanical properties, and strain hardening behavior of ultrafine grained commercial pure copper during the accumulative roll bonding process. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 650, 8-14.	2.6	53
40	Strengthening Mechanisms of Ultrafine Grained Dual Phase Steels Developed by New Thermomechanical Processing. ISIJ International, 2015, 55, 218-226.	0.6	44
41	Development of a New Ultrafine/Nano Ferrite-Carbide Microstructure by Thermomechanical Processing. Acta Metallurgica Sinica (English Letters), 2015, 28, 249-253.	1.5	7
42	Correlation of Mechanical Properties with Fracture Surface Features in a Newly Developed Dual-Phase Steel. Journal of Materials Engineering and Performance, 2015, 24, 1573-1580.	1.2	11
43	Effect of Nb on Microstructures and Mechanical Properties of an Ultrafine-Grained Dual Phase Steel. Journal of Materials Engineering and Performance, 2015, 24, 3008-3017.	1.2	12
44	Nanoindentation study of ferriteâ€“martensite dual phase steels developed by a new thermomechanical processing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 639, 8-14.	2.6	47
45	Microstructures, Mechanical Properties, and Strain Hardening Behavior of an Ultrahigh Strength Dual Phase Steel Developed by Intercritical Annealing of Cold-Rolled Ferrite/Martensite. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 3052-3062.	1.1	22
46	Tribological Behavior of A356/Al2O3 Surface Nanocomposite Prepared by Friction Stir Processing. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 2250-2259.	1.1	61
47	A novel route for development of ultrahigh strength dual phase steels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 619, 1-11.	2.6	80
48	Effects of initial microstructure and thermomechanical processing parameters on microstructures and mechanical properties of ultrafine grained dual phase steels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 612, 54-62.	2.6	35
49	Comparison of microstructural and mechanical properties of Alâ€“TiC, Alâ€“B4C and Alâ€“TiCâ€“B4C composites prepared by casting techniques. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 560, 278-287.	2.6	96
50	Development of Al356â€“Al2O3 Nanocomposite Coatings by High Velocity Oxy-fuel Technique. Journal of Materials Science and Technology, 2013, 29, 813-820.	5.6	17
51	Evolution of microstructural and mechanical properties of nanocrystalline Co₂FeAl Heusler alloy prepared by mechanical alloying. Powder Metallurgy, 2013, 56, 111-116.	0.9	18
52	A novel technique for development of A356/Al2O3 surface nanocomposite by friction stir processing. Journal of Materials Processing Technology, 2011, 211, 1614-1619.	3.1	115