

Morteza Shamanian

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

84
papers

793
citations

16
h-index

24
g-index

86
ext. papers

1,007
ext. citations

2.5
avg, IF

4.82
L-index

#	Paper	IF	Citations
84	Effect of current type on microstructure and corrosion resistance of super duplex stainless steel claddings produced by the gas tungsten arc welding process. <i>Surface and Coatings Technology</i> , 2014 , 244, 45-51	4.4	67
83	Evaluation of Microstructure and Mechanical Properties in Dissimilar Austenitic/Super Duplex Stainless Steel Joint. <i>Journal of Materials Engineering and Performance</i> , 2014 , 23, 3745-3753	1.6	54
82	Evaluation of microstructure and texture across the welded interface of super duplex stainless steel and high strength low alloy steel. <i>Surface and Coatings Technology</i> , 2015 , 264, 150-162	4.4	54
81	Dissimilar welding between SAF 2507 stainless steel and Incoloy 825 Ni-based alloy: The role of microstructure on corrosion behavior of the weld metals. <i>Journal of Manufacturing Processes</i> , 2017 , 29, 376-388	5	34
80	Fabrication and characterization of Al ₂ O ₃ /rC composite produced by accumulative roll bonding (ARB) process. <i>Journal of Alloys and Compounds</i> , 2015 , 618, 19-26	5.7	32
79	Mechanical and microstructural evaluation of SAF 2507 and incoloy 825 dissimilar welds. <i>Journal of Manufacturing Processes</i> , 2017 , 26, 407-418	5	30
78	Poly (3-hydroxybutyrate-co-3-hydroxyvalerate)/fibrinogen/bredigite nanofibrous membranes and their integration with osteoblasts for guided bone regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , 2019 , 107, 1154-1165	5.4	26
77	Characterization of microstructure and texture across dissimilar super duplex/austenitic stainless steel weldment joint by super duplex filler metal. <i>Materials Characterization</i> , 2015 , 106, 27-35	3.9	25
76	Investigation on the resistance spot-welded austenitic/ferritic stainless steel. <i>International Journal of Advanced Manufacturing Technology</i> , 2014 , 75, 1371-1379	3.2	22
75	Weldability of Ferritic Ductile Cast Iron Using Full Factorial Design of Experiment. <i>Journal of Iron and Steel Research International</i> , 2014 , 21, 252-263	1.2	22
74	Dilution and Ferrite Number Prediction in Pulsed Current Cladding of Super-Duplex Stainless Steel Using RSM. <i>Journal of Materials Engineering and Performance</i> , 2013 , 22, 3657-3664	1.6	21
73	Design and optimization of alginate-chitosan-pluronic nanoparticles as a novel meloxicam drug delivery system. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	20
72	Friction Stir Welding of Al-B4C Composite Fabricated by Accumulative Roll Bonding: Evaluation of Microstructure and Mechanical Behavior. <i>Journal of Materials Engineering and Performance</i> , 2018 , 27, 835-846	1.6	20
71	Synthesis, Characterization, In Vitro Bioactivity and Biocompatibility Evaluation of Hydroxyapatite/Bredigite (Ca ₇ MgSi ₄ O ₁₆) Composite Nanoparticles. <i>Jom</i> , 2016 , 68, 1061-1070	2.1	17
70	Interface microstructure across cladding of super duplex stainless steel with austenitic stainless steel buffer layer. <i>Surface and Coatings Technology</i> , 2014 , 259, 532-542	4.4	17
69	Diffusion brazing of Ti ₆ Al ₄ V and AISI 304: an EBSD study and mechanical properties. <i>Journal of Materials Science</i> , 2017 , 52, 12467-12475	4.3	17
68	Micro-texture and corrosion behavior of dissimilar joints of UNS S32750 stainless steel/UNS N08825 Ni-based superalloy. <i>Materials Characterization</i> , 2019 , 155, 109802	3.9	14

67	Osteogenic and antibacterial surfaces on additively manufactured porous Ti-6Al-4V implants: Combining silver nanoparticles with hydrothermally synthesized HA nanocrystals. <i>Materials Science and Engineering C</i> , 2021 , 120, 111745	8.3	14
66	Electron beam welding of inconel 617 to AISI 310: Corrosion behavior of weld metal. <i>Vacuum</i> , 2019 , 161, 371-374	3.7	13
65	An injectable carboxymethyl chitosan-methylcellulose-pluronic hydrogel for the encapsulation of meloxicam loaded nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2020 , 151, 220-229	7.9	13
64	Characterization of Structure-Property Relationship of Incoloy 825 and SAF 2507 Dissimilar Welds. <i>Transactions of the Indian Institute of Metals</i> , 2018 , 71, 1747-1757	1.2	13
63	Influence of Microstructural Features on the Mechanical Behavior of Incoloy 825 Welds. <i>Metallography, Microstructure, and Analysis</i> , 2017 , 6, 190-199	1.1	12
62	Production of High-Strength Al/Al ₂ O ₃ /WC Composite by Accumulative Roll Bonding. <i>Journal of Materials Engineering and Performance</i> , 2014 , 23, 3152-3158	1.6	11
61	Correlation Between Magnetic Properties and Allotropic Phase Transition of Fe _{1-x} Co _x Alloy. <i>Acta Metallurgica Sinica (English Letters)</i> , 2015 , 28, 1055-1058	2.5	10
60	Comparison of Microstructure and Tensile Properties of Dual Phase Steel Welded Using Friction Stir Welding and Gas Tungsten Arc Welding. <i>Steel Research International</i> , 2018 , 89, 1700427	1.6	10
59	Grain and texture evolution in nano/ultrafine-grained bimetallic Al/Ni composite during accumulative roll bonding. <i>Journal of Materials Science</i> , 2018 , 53, 12553-12569	4.3	10
58	Influence of Heat Treatment Schedule on the Tensile Properties and Wear Behavior of Dual Phase Steels. <i>Steel Research International</i> , 2017 , 88, 1600213	1.6	10
57	The Effect of Strain on the Formation of an Intermetallic Layer in an Al-Ni Laminated Composite. <i>Metals</i> , 2017 , 7, 445	2.3	10
56	EBSD Study on Grain Boundary and Microtexture Evolutions During Friction Stir Processing of A413 Cast Aluminum Alloy. <i>Journal of Materials Engineering and Performance</i> , 2016 , 25, 2824-2835	1.6	9
55	Effect of Welding Time in the Resistance Spot Welded Dissimilar Stainless Steels. <i>Transactions of the Indian Institute of Metals</i> , 2015 , 68, 247-255	1.2	9
54	The Effect of Welding Heat Input on the Structure-Property Relationship of a New Grade Super Duplex Stainless Steel. <i>Steel Research International</i> , 2020 , 91, 1900347	1.6	9
53	Development and characterization of Al/MWCNT/Al ₂ O ₃ hybrid composite by accumulative roll bonding. <i>Journal of Materials Science</i> , 2018 , 53, 10812-10821	4.3	8
52	Electron Backscatter Diffraction Analysis of Joints Between AISI 316L Austenitic/UNS S32750 Dual-Phase Stainless Steel. <i>Journal of Materials Engineering and Performance</i> , 2015 , 24, 3118-3128	1.6	7
51	Electroless nickel-phosphorus plating on WC ₁₀ powders using HVOF feedstock. <i>Surface Engineering</i> , 2019 , 35, 120-127	2.6	7
50	Void Formation and Plastic Deformation Mechanism of a Cold-Rolled Dual-Phase Steel During Tension. <i>Acta Metallurgica Sinica (English Letters)</i> , 2020 , 33, 299-306	2.5	7

49	Effect of Recrystallization and Phase Transitions on the Mechanical Properties of Semihard Magnetic FeCo-7.15V Alloy During the Thermomechanical Process. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2017 , 48, 1903-1909	2.3	6
48	Electron Back Scattered Diffraction Study of Dissimilar Welding Between the Super Duplex Stainless Steel and the Ni-Based Superalloy. <i>Metals and Materials International</i> , 2019 , 25, 1287-1300	2.4	6
47	Comparison of pulsed and continuous current gas tungsten arc welding in dissimilar welding between UNS S32750 and AISI 321 in optimized condition. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 97, 687-696	3.2	6
46	Microstructural and Statistical Study of Semisolid Casting of 6061 Alloy Using a Miniature Cooling Slope. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2014 , 45, 1804-1816	2.5	6
45	Microstructure and Mechanical Properties of Dissimilar Friction Stir Spot Welding Between St37 Steel and 304 Stainless Steel. <i>Journal of Materials Engineering and Performance</i> , 2017 , 26, 2847-2858	1.6	5
44	Microstructure and Mechanical Properties of Inconel 617/AISI 310 Electron Beam Welds. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2019 , 50, 3164-3173 ²⁻³	2.3	5
43	The Effect of Process Parameters on the Microstructure and Mechanical Properties of Semisolid Cast Al6061. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2015 , 46, 780-792	2.5	5
42	Tribocorrosion Behavior of Overlay Welded Super Duplex Stainless Steel in Chloride Medium. <i>Journal of Bio- and Tribo-Corrosion</i> , 2015 , 1, 1	2.9	5
41	Parametric Optimization of Pulsed Current Gas Arc Welding of Dissimilar Welding Between UNS32750 and AISI 321 Based on Taguchi Method. <i>Transactions of the Indian Institute of Metals</i> , 2018 , 71, 597-603	1.2	5
40	Physical, Mechanical, and Dry Sliding Wear Properties of Fe-Cr-W-C Hardfacing Alloys Under Different Tungsten Addition. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2015 , 46, 919-927	2.5	5
39	Improvement of the microstructural features and mechanical properties of advanced high-strength steel DP590 welds. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2021 , 28, 1022-1029	3.1	5
38	Microstructure and Crystallographic Texture Variations in the Friction-Stir-Welded Al-Al ₂ O ₃ -B ₄ C Metal Matrix Composite Produced by Accumulative Roll Bonding. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2015 , 46, 5747-5755	2.3	4
37	Effect of Substrate's Heat Treatment on Microstructure and Mechanical Properties TLP Bonding of Dissimilar X-45/FSX-414 Cobalt Based Superalloys. <i>Metals and Materials International</i> , 2020 , 1	2.4	4
36	Characterization of Microstructure and Texture across N155 Superalloy Weldment Joint with Austenitic Filler Metal. <i>Journal of Materials Engineering and Performance</i> , 2020 , 29, 1964-1973	1.6	4
35	Preparation and characterization of biohybrid poly (3-hydroxybutyrate-co-3-hydroxyvalerate) based nanofibrous scaffolds 2018 ,		4
34	A microstructure evaluation of different areas of resistance spot welding on ultra-high strength TRIP1100 steel. <i>Cogent Engineering</i> , 2018 , 5, 1512939	1.5	4
33	Study of the Microstructures and Abrasive Characteristics of Mo-Fe-C Hardfacing Alloys Fabricated by Gas Tungsten Arc Welding. <i>Tribology Transactions</i> , 2015 , 58, 225-230	1.8	4
32	Tribological properties of B ₄ C ₁₀ W ₂ SiC ₁₀ Ni cermet coating produced by HVOF. <i>International Journal of Materials Research</i> , 2017 , 108, 681-687	0.5	3

31	Surface Modification by Friction Stir Processing of Low-Carbon Steel: Microstructure Investigation and Wear Performance. <i>Journal of Materials Engineering and Performance</i> , 2018 , 27, 751-763	1.6	3
30	The PC-GTAW of TiBAlV Thin Sheets and Its Effects on Mechanical and Microstructural Properties. <i>Metallography, Microstructure, and Analysis</i> , 2019 , 8, 871-879	1.1	3
29	Characterization of Al1100-RHA composite developed by accumulative roll bonding. <i>Journal of Composite Materials</i> , 2019 , 53, 2047-2052	2.7	3
28	A Comparative Study on Direct and Pulsed Current Micro-plasma Arc Welding of Alloy TiBAlV. <i>Transactions of the Indian Institute of Metals</i> , 2018 , 71, 3103-3110	1.2	3
27	Surface Characterization of Incoloy 825 Ni-Based Alloy/2507 Super Duplex Stainless Steel Dissimilar Friction Stir Welds. <i>Corrosion</i> , 2018 , 74, 1259-1271	1.8	3
26	Phase Formation during Heating of Amorphous Nickel-Based BNi-3 for Joining of Dissimilar Cobalt-Based Superalloys. <i>Materials</i> , 2021 , 14,	3.5	3
25	Effect of Pulsed Current on the Microstructure, Mechanical Properties and Corrosion Behavior of Ni-Based Alloy/Super Duplex Stainless Steel Dissimilar Welds. <i>Transactions of the Indian Institute of Metals</i> , 2019 , 72, 2403-2416	1.2	2
24	Effect of Pulsed Current Frequency on Microstructure and Mechanical Properties of Gas-Tungsten-Arc-Welded Joints of UNS R30155. <i>Journal of Materials Engineering and Performance</i> , 2020 , 29, 2635-2647	1.6	2
23	Assessment of Microstructure and Stress Corrosion Cracking Susceptibility of Multipass Gas Metal Arc Welded Al 5083-H321 Aluminum Alloy. <i>Metallography, Microstructure, and Analysis</i> , 2021 , 10, 246-256	1.1	2
22	Comprehensive microstructural investigation during dissimilar transient liquid phase bonding cobalt-based superalloys by BNi-9 amorphous interlayer foil. <i>Journal of Materials Research and Technology</i> , 2021 , 13, 2144-2160	5.5	2
21	Cementite Formation from HematiteGraphite Mixture by Simultaneous ThermalMechanical Activation. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2015 , 46, 813-823	2.5	1
20	Structure, Texture and Magnetic Properties of Laser-Welded Ultrathin FeCoV Foils. <i>Acta Metallurgica Sinica (English Letters)</i> , 2015 , 28, 338-347	2.5	1
19	WEAR ANALYSIS OF ALUMINUMNICKEL INTERMETALLIC SURFACE COMPOSITE FABRICATED BY FRICTION STIR PROCESSING. <i>Surface Review and Letters</i> , 2021 , 28, 2050057	1.1	1
18	Microstructure and Corrosion Properties of Friction Stir-Welded High-Strength Low -Alloy Steel. <i>Transactions of the Indian Institute of Metals</i> , 2021 , 74, 1763	1.2	1
17	Effect of Friction Stir Welding on the Microstructure and Mechanical Properties of Super Duplex Stainless Steel. <i>Metallography, Microstructure, and Analysis</i> , 2021 , 10, 383-391	1.1	1
16	Process analysis and optimization for fracture stress of electron beam welded ultra-thin FeCoV foils. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 87, 1045-1056	3.2	1
15	Insights into the microstructure evolution and crystallographic texture of API X-65 steel/UNS S32750 stainless steel dissimilar welds by EBSD analysis. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2021 , 65, 973-986	1.9	1
14	FABRICATION OF IN SITU NICKEL INTERMETALLIC COMPOUND DISPERSED ALUMINUM MATRIX COMPOSITES BY FRICTION STIR PROCESS. <i>Surface Review and Letters</i> , 2018 , 25, 1950010	1.1	0

13	The Effect of Bonding Time on Dissimilar Joint Properties Between Inconel 625 and AISI 316L Using Transient Liquid Phase Bonding Method with Cu Interlayer. <i>Journal of Materials Engineering and Performance</i> ,1	1.6	○
12	Effects of cooling regimes on the microstructural and mechanical properties of the transient liquid phase joints of UNS S32750 super duplex stainless steel/BNi-2/AISI 304 stainless steel. <i>Journal of Materials Science</i> , 2022 , 57, 4383-4398	4.3	○
11	Band gap tuning of oxygen vacancy-induced Al ₂ O ₃ -TiO ₂ ceramics processed by spark plasma sintering. <i>Journal of Electroceramics</i> ,1	1.5	○
10	Effect of Pulse Current Frequency on Microstructure and Hot Corrosion Behavior of Tungsten Inert Gas-Welded Joints of N155 Superalloy. <i>Journal of Materials Engineering and Performance</i> , 2021 , 30, 7494-7509	1.6	○
9	Characterization of Microstructure, Microtexture, and Mechanical Response in UNS N08825 Superalloy/AISI 316L Stainless Steel Welds by Electron Backscatter Diffraction Analysis. <i>Journal of Materials Engineering and Performance</i> , 2021 , 30, 6009-6026	1.6	○
8	EBSD study of dissimilar transient liquid phase joining of duplex stainless steel SAF 2205 to nickel-based superalloy IN X-750. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2021 , 65, 721-730	1.9	○
7	Study of DP590 Microstructure Welded with Resistance Spot Welding Method by Using EBSD Technique. <i>Metallography, Microstructure, and Analysis</i> , 2021 , 10, 266-275	1.1	○
6	Oxygen vacancy-induced Al ₂ TiO ₅ Based multifunctional ceramic composites: Electrochemical and optical properties. <i>Journal of Electroceramics</i> ,1	1.5	○
5	Effects of ER308L buttering and post-buttering heat treatment on the microstructure and mechanical properties of API 5L X65/AISI304 dissimilar joint. <i>International Journal of Pressure Vessels and Piping</i> , 2022 , 104702	2.4	○
4	Asymmetric Cu Diffusion in Transient Liquid Phase (TLP) Bonding of Inconel 625 to AISI 316L Stainless Steel with Cu Interlayer. <i>Journal of Phase Equilibria and Diffusion</i> ,1	1	
3	Transient Liquid Phase Bonding of Al-2% Nanoclay Composite: Microstructural Characterization and Mechanical Properties. <i>Transactions of the Indian Institute of Metals</i> , 2021 , 74, 2285-2295	1.2	
2	Effect of Bonding Temperature on Microstructure and Mechanical Properties of Dissimilar Joint Between Inconel 617 and Stainless Steel 310. <i>Metallography, Microstructure, and Analysis</i> , 2021 , 10, 419	1.1	
1	Microstructure and corrosion resistance of TLPB of Inconel 625 to 316L SS. <i>Materials Science and Technology</i> , 2022 , 38, 444-452	1.5	