

# Niloofar Eftekhari

## List of Publications by Year in descending order

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docs citations

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times ranked

1611  
citing authors

#	ARTICLE	IF	CITATIONS
1	The effects of friction-stir process parameters on the fabrication of Ti/SiC nano-composite surface layer. <i>Surface and Coatings Technology</i> , 2011, 206, 1372-1381.	2.2	107
2	A comparative study on the capability of Johnson-Cook and Arrhenius-type constitutive equations to describe the flow behavior of Mg-6Al-1Zn alloy. <i>Mechanics of Materials</i> , 2014, 71, 52-61.	1.7	103
3	Hot deformation characterization of duplex low-density steel through 3D processing map development. <i>Materials Characterization</i> , 2015, 107, 293-301.	1.9	73
4	Flow softening and dynamic recrystallization behavior of BT9 titanium alloy: A study using process map development. <i>Journal of Alloys and Compounds</i> , 2017, 695, 1706-1718.	2.8	69
5	Microstructure and superior mechanical properties of a multi-axially forged WE magnesium alloy. <i>Journal of Alloys and Compounds</i> , 2017, 693, 406-413.	2.8	64
6	Modified constitutive analysis and activation energy evolution of a low-density steel considering the effects of deformation parameters. <i>Mechanics of Materials</i> , 2016, 95, 60-70.	1.7	62
7	Effect of the Zener-Hollomon parameter on the microstructure evolution of dual phase TWIP steel subjected to friction stir processing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 638, 15-19.	2.6	61
8	The effect of thermomechanical parameters on the eutectic silicon characteristics in a non-modified cast A356 aluminum alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 549, 93-99.	2.6	57
9	Constitutive description of high temperature flow behavior of Sanicro-28 super-austenitic stainless steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 589, 76-82.	2.6	56
10	The high temperature flow behavior modeling of NiTi shape memory alloy employing phenomenological and physical based constitutive models: A comparative study. <i>Intermetallics</i> , 2014, 53, 140-149.	1.8	55
11	Enhancing the strength and ductility in accumulative back extruded WE43 magnesium alloy through achieving bimodal grain size distribution and texture weakening. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 698, 218-229.	2.6	54
12	Hot ductility behavior of an extruded 7075 aluminum alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 637, 107-122.	2.6	53
13	Reversible dislocation movement, martensitic transformation and nano-twinning during elastic cyclic loading of a metastable high entropy alloy. <i>Acta Materialia</i> , 2020, 185, 474-492.	3.8	48
14	Temperature dependence of plastic deformation mechanisms in a modified transformation-twinning induced plasticity steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 579, 150-156.	2.6	46
15	Strain induced transformation, dynamic recrystallization and texture evolution during hot compression of an extruded Mg-Cd-Y-Zn-Zr alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 778, 139021.	2.6	41
16	Room temperature mechanical properties and microstructure of a low alloyed TRIP-assisted steel subjected to one-step and two-step quenching and partitioning process. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 725, 341-349.	2.6	39
17	An investigation into the fracture mechanisms of twinning-induced-plasticity steel sheets under various strain paths. <i>Journal of Materials Processing Technology</i> , 2015, 224, 102-116.	3.1	35
18	The Grain Structure and Phase Transformations of TWIP Steel During Friction Stir Processing. <i>Journal of Materials Engineering and Performance</i> , 2015, 24, 2826-2835.	1.2	32

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19	Latest Developments in Modeling and Characterization of Joining Metal Based Hybrid Materials. <i>Advanced Engineering Materials</i> , 2018, 20, 1800048.	1.6	32
20	An investigation into the mechanical behavior of a new transformation-twinning induced plasticity steel. <i>Materials &amp; Design</i> , 2012, 39, 279-284.	5.1	31
21	Production of in-situ hard Ti/TiN composite surface layers on CP-Ti using reactive friction stir processing under nitrogen environment. <i>Surface and Coatings Technology</i> , 2013, 218, 62-70.	2.2	29
22	In situ identification of elastic-plastic strain distribution in a microalloyed transformation induced plasticity steel using digital image correlation. <i>Optics and Lasers in Engineering</i> , 2014, 54, 79-87.	2.0	29
23	The Correlation of Macrostructure, Microstructure, and Texture with Room Temperature Mechanical Properties of a Twinning-Induced Plasticity Automotive Steel after Friction Stir Spot Welding/Processing. <i>Steel Research International</i> , 2018, 89, 1800245.	1.0	29
24	The enhanced static recrystallization kinetics of a non-equiatom high entropy alloy through the reverse transformation of strain induced martensite. <i>Journal of Alloys and Compounds</i> , 2019, 806, 1550-1563.	2.8	29
25	High Temperature Formability Prediction of Dual Phase Brass Using Phenomenological and Physical Constitutive Models. <i>Journal of Materials Engineering and Performance</i> , 2015, 24, 209-220.	1.2	28
26	High-temperature flow characterization and microstructural evolution of Ti6242 alloy: Yield drop phenomenon. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 673, 346-354.	2.6	26
27	The Mg <sub>2</sub> Si phase evolution during thermomechanical processing of in-situ aluminum matrix macro-composite. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 644, 310-317.	2.6	25
28	Flow Characterization of a Duplex near $\alpha/\beta$ Ti6242 Alloy through Interrelation of Microstructural Evolution, 3D Activation Energy Map, and Processing Map. <i>Advanced Engineering Materials</i> , 2016, 18, 1075-1085.	1.6	25
29	Evolution of microstructure and mechanical properties in a cold deformed nitrogen bearing TRIP-assisted duplex stainless steel after reversion annealing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 683, 83-89.	2.6	25
30	Poly(lactic Acid) Piezo-Biopolymers: Chemistry, Structural Evolution, Fabrication Methods, and Tissue Engineering Applications. <i>Journal of Functional Biomaterials</i> , 2021, 12, 71.	1.8	25
31	Dynamic restoration of the ferrite and austenite phases during hot compressive deformation of a lean duplex stainless steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 788, 139400.	2.6	23
32	Dynamic dissolution and transformation of LPSO phase during thermomechanical processing of a GWZ magnesium alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 754, 85-98.	2.6	22
33	Microstructural evolution and mechanical properties of thermomechanically processed AZ31 magnesium alloy reinforced by micro-graphite and nano-graphene particles. <i>Journal of Alloys and Compounds</i> , 2020, 815, 152231.	2.8	22
34	The high temperature mechanical properties and the correlated microstructure/ texture evolutions of a TWIP high entropy alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 802, 140600.	2.6	22
35	Transformation and twinning induced plasticity in an advanced high Mn austenitic steel processed by martensite reversion treatment. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 696, 511-519.	2.6	21
36	Dynamic recrystallization behavior of new transformation-twinning induced plasticity steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 607, 397-408.	2.6	20

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37	Improving Restoration Mechanism in 7075 Aluminum Alloy through Constitutive Flow Behavior Modeling. <i>Advanced Engineering Materials</i> , 2016, 18, 989-1000.	1.6	20
38	On the Stacking Fault Energy Evaluation and Deformation Mechanism of Sanicro-28 Super-Austenitic Stainless Steel. <i>Journal of Materials Engineering and Performance</i> , 2015, 24, 2335-2340.	1.2	19
39	Comprehensive Deformation Analysis of a Newly Designed Ni-Free Duplex Stainless Steel with Enhanced Plasticity by Optimizing Austenite Stability. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2017, 48, 3675-3691.	1.1	19
40	The sequential twinning-transformation induced plasticity effects in a thermomechanically processed high Mn austenitic steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 725, 242-249.	2.6	18
41	Thermal stability of an ultrafine-grained dual phase TWIP steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 638, 5-14.	2.6	17
42	Characterization of twin-like structure in a ferrite-based lightweight steel. <i>Metals and Materials International</i> , 2016, 22, 810-816.	1.8	17
43	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
44	Room-temperature micro and macro mechanical properties of the metastable Ti-29Nb-14Ta-4.5Zr alloy holding nano-sized precipitates. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 771, 138583.	2.6	16
45	An investigation into microstructure and high-temperature mechanical properties of selective laser-melted 316L stainless steel toward the development of hybrid Ampliforge process. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 110, 383-394.	1.5	16
46	A new insight into LPSO transformation during multi-axial forging in Mg-Gd-Y-Zn-Zr alloy. <i>Materials Letters</i> , 2020, 269, 127625.	1.3	16
47	Unraveling the effect of deformation-induced phase transformation on microstructure and micro-texture evolution of a multi-axially forged Mg-Gd-Y-Zn-Zr alloy containing the LPSO phase. <i>Journal of Materials Research and Technology</i> , 2021, 15, 2088-2101.	2.6	16
48	On the microstructure and RE-texture evolution during hot tensile deformation of Mg-Gd-Y-Zn-Zr alloy. <i>Journal of Materials Research and Technology</i> , 2021, 15, 6974-6989.	2.6	16
49	Evaluating the Hot Deformation Behavior of a Super-Austenitic Steel Through Microstructural and Neural Network Analysis. <i>Journal of Materials Engineering and Performance</i> , 2015, 24, 2412-2421.	1.2	15
50	Hot Deformation and Dynamic Recrystallization of Ti-6Al-7Nb Biomedical Alloy in Single-Phase $\beta^2$ Region. <i>Journal of Materials Engineering and Performance</i> , 2015, 24, 1799-1808.	1.2	15
51	The enhancement of transformation induced plasticity effect through preferentially oriented substructure development in a high entropy alloy. <i>Intermetallics</i> , 2019, 109, 145-156.	1.8	15
52	An investigation into the polylactic acid texturization through thermomechanical processing and the improved d33 piezoelectric outcome of the fabricated scaffolds. <i>Journal of Materials Research and Technology</i> , 2021, 15, 6356-6366.	2.6	15
53	The microstructure evolution and room temperature deformation behavior of ferrite-based lightweight steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 665, 10-16.	2.6	14
54	The grain boundary character distribution in thermomechanically processed rare earth bearing magnesium alloy. <i>Journal of Alloys and Compounds</i> , 2019, 798, 158-166.	2.8	14

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55	High-Temperature Wear Mechanisms of a Severely Plastic Deformed Al/Mg <sub>2</sub> Si Composite. <i>Journal of Tribology</i> , 2019, 141, .	1.0	14
56	On the microstructural-textural characterization and deformation analysis of a nano/ultrafine grained Fe-20Cr-8Mn-0.3N duplex alloy with superior mechanical properties. <i>Materials Characterization</i> , 2019, 156, 109878.	1.9	13
57	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
58	The high temperature deformation behavior of a triplex (ferrite+ austenite+ martensite) low density steel. <i>Journal of Materials Research and Technology</i> , 2021, 13, 1388-1401.	2.6	13
59	On the warm temperature strain accommodation mechanisms of Ti-6Al-4V alloy holding different starting microstructures. <i>Journal of Materials Research and Technology</i> , 2021, 14, 496-506.	2.6	13
60	Effects of ferrite phase characteristics on microstructure and mechanical properties of thermomechanically-processed low-silicon content TRIP-assisted steels. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 626, 229-236.	2.6	12
61	Processing Map Development through Elaborating Phenomenological and Physical Constitutive Based Models. <i>Advanced Engineering Materials</i> , 2016, 18, 572-581.	1.6	12
62	An investigation into the warm deformation behavior of Ti-6Al-1.5Cr-2.5Mo-0.5Fe-0.3Si alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 654, 264-270.	2.6	12
63	Grain Refinement through Shear Banding in Severely Plastic Deformed A206 Aluminum Alloy. <i>Advanced Engineering Materials</i> , 2018, 20, 1700502.	1.6	12
64	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
65	Decelerated grain growth kinetic and effectiveness of Hall-Petch relationship in a cold-rolled non-equiatom high entropy alloy. <i>Journal of Alloys and Compounds</i> , 2021, 874, 159849.	2.8	12
66	The enhanced warm temperature ductility of Ti-6Al-4V alloy through strain induced martensite reversion and recrystallization. <i>Materials Letters</i> , 2021, 302, 130405.	1.3	12
67	The Enhanced Shape Memory Effect and Mechanical Properties in Thermomechanically Processed Semi-Equiatom NiTi Shape Memory Alloy. <i>Advanced Engineering Materials</i> , 2016, 18, 251-258.	1.6	11
68	Deformation behavior of a high-plasticity nano/ultrafine-grained N-bearing duplex stainless steel: Twin/twin-like induced plasticity effect. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 700, 637-640.	2.6	11
69	Substructure Development and Deformation Twinning Stimulation through Regulating the Processing Path during Multi-Axial Forging of Twinning Induced Plasticity Steel. <i>Advanced Engineering Materials</i> , 2018, 20, 1800453.	1.6	11
70	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
71	Stress-relaxation viewpoint to study the room-temperature cyclic deformation behavior of a low-density steel. <i>International Journal of Fatigue</i> , 2020, 139, 105673.	2.8	11
72	An investigation into the room temperature mechanical properties and microstructural evolution of thermomechanically processed TWIP steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 596, 200-206.	2.6	10

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73	Correlation of Strain Accommodation Factor with the State of Microstructural Components in a Multiphase Steel. <i>ISIJ International</i> , 2015, 55, 2406-2415.	0.6	10
74	Effect of Intercritical Thermomechanical Processing on Austenite Retention and Mechanical Properties in a Multiphase TRIP-Assisted Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2016, 47, 436-449.	1.1	10
75	Surface Modification of Titanium by Producing Ti/TiN Surface Composite Layers via FSP. <i>Acta Metallurgica Sinica (English Letters)</i> , 2017, 30, 550-557.	1.5	10
76	Microstructural Evolution and Texture Analysis in a Thermomechanically Processed Low SFE Super-austenitic Steel (Alloy 28). <i>Advanced Engineering Materials</i> , 2018, 20, 1700928.	1.6	10
77	Microstructural evolution and mechanical properties of accumulative back extruded duplex ( $\beta$ -brass. <i>Materials Characterization</i> , 2019, 152, 101-114.	1.9	10
78	The strain accommodation in Ti-28Nb-12Ta-5Zr alloy during warm deformation. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 592, 57-63.	2.6	9
79	Optimum Deformation Criteria and Flow Behavior Description of Boron-Alloyed Steel through Numerical Approach. <i>Steel Research International</i> , 2016, 87, 1657-1669.	1.0	9
80	Effect of Severe Plastic Deformation and Subsequent Silicon Spheroidizing Treatment on the Microstructure and Mechanical Properties of an Al-Si-Mg Alloy. <i>Advanced Engineering Materials</i> , 2017, 19, 1700064.	1.6	9
81	Ductility improvement in AZ31 magnesium alloy using constrained compression testing technique. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 576, 74-81.	2.6	8
82	High-Temperature Deformation Characteristics of a $\beta$ -Type Ti-29Nb-13Ta-4.6Zr Alloy. <i>Journal of Materials Engineering and Performance</i> , 2016, 25, 1554-1561.	1.2	8
83	Correlation between warm deformation characteristics and mechanical properties of a new TRIP-assisted Fe-MN-Ni steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 649, 27-34.	2.6	8
84	Toward Unraveling the High Temperature Microstructure Processing Properties Relationship in a Ni-Free High Nitrogen Bearing Duplex Stainless Steel. <i>Steel Research International</i> , 2018, 89, 1700532.	1.0	8
85	Dynamic strain aging and twin formation during warm deformation of a novel medium-entropy lightweight steel. <i>Journal of Materials Research and Technology</i> , 2022, 17, 1628-1641.	2.6	8
86	Microstructural evolution and room temperature mechanical properties of AZ31 alloy processed through hot constrained compression. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 102, 2307-2317.	1.5	7
87	Asymmetrical superelastic behavior of thermomechanically processed semi-equiatomic NiTi alloy in tensile and compressive modes of deformation. <i>Journal of Alloys and Compounds</i> , 2021, 878, 160443.	2.8	7
88	The Microstructure Evolution of a High Zr-Containing WE Magnesium Alloy Through Isothermal Semi-Solid Treatment. <i>Advanced Engineering Materials</i> , 2015, 17, 1623-1630.	1.6	6
89	High-Temperature Deformation Behavior of a Ti-6Al-7Nb Alloy in Dual-Phase ( $\beta$ - $\alpha$ ) and Single-Phase ( $\beta$ ) Regions. <i>Journal of Materials Engineering and Performance</i> , 2016, 25, 46-58.	1.2	6
90	Hybrid metallic composite materials fabricated by sheathed powder compaction. <i>Journal of Materials Science</i> , 2016, 51, 3118-3124.	1.7	6

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91	The Local Characterization of Individual Phase Mechanical Properties Using Nano-Indentation and In Situ Scanning Probe Microscopy in an Advanced High Strength Steel. <i>Steel Research International</i> , 2017, 88, 1600274.	1.0	6
92	Novel analytical approach for evaluating the mechanical properties of friction stir spot joints through constitutive modeling. <i>Engineering Fracture Mechanics</i> , 2019, 216, 106522.	2.0	6
93	The Effect of Martensiteâ€Austenite Constituent Characteristics on the Mechanical Behavior of Quenchedâ€Partitioned Steel at Room Temperature. <i>Steel Research International</i> , 2019, 90, 1800399.	1.0	6
94	Bi-directional ferrite to austenite transformation through warm temperature deformation of a ferrite-based low density steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 821, 141596.	2.6	6
95	Toward superior fatigue and corrosion fatigue crack initiation resistance of Sanicro 28 pipe super austenitic stainless steel. <i>Journal of Materials Research and Technology</i> , 2022, 17, 1672-1685.	2.6	6
96	D03 Ordered Phase Strengthening in Dual Phase Twinning-Induced Plasticity Steel. <i>Journal of Materials Engineering and Performance</i> , 2015, 24, 2085-2090.	1.2	5
97	Characterization of semisolid deformation behavior of a high Zr-containing WE magnesium alloy. <i>Rare Metals</i> , 2022, 41, 4201-4208.	3.6	5
98	EBSD Study of Deformation Microstructure of an Asâ€Homogenized Austenitic Mn Steel after Hot Compression. <i>Advanced Engineering Materials</i> , 2018, 20, 1800327.	1.6	5
99	The Effect of Aging Temperature on Microstructure and Tensile Properties of a Novel Designed Feâ€12Mnâ€3Ni Maragingâ€TRIP Steel. <i>Steel Research International</i> , 2019, 90, 1800282.	1.0	5
100	Tribological Performance and Electrochemical Behavior of Tiâ€29Nbâ€14Taâ€4.5Zr Alloy in Simulated Physiological Solution. <i>Advanced Engineering Materials</i> , 2020, 22, 1900758.	1.6	5
101	Inner Architecture of Bonded Splats under Combined High Pressure and Shear. <i>Advanced Engineering Materials</i> , 2016, 18, 501-505.	1.6	4
102	Qualitative and Quantitative Analysis of Thermomechanical Behavior of an Al4Srâ€Dispersed In Situ Composite. <i>Journal of Materials Engineering and Performance</i> , 2017, 26, 1236-1244.	1.2	4
103	Duality in dislocation density-superelasticity correlation in a TNTZ bio alloy processed by cold rolling and subsequent annealing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 782, 139181.	2.6	4
104	The correlation of austenite stability and sequence of strain accommodation during room temperature deformation of a duplex lightweight steel. <i>Journal of Materials Research and Technology</i> , 2021, 13, 1923-1932.	2.6	4
105	Microstructural evolution and corrosion behavior of Sanicro 28 during thermomechanical processing. <i>Materials Today Communications</i> , 2020, 24, 101228.	0.9	4
106	Nanoscale partitioning of Mn between austenite and martensite revealed by Curie temperature variations. <i>Philosophical Magazine Letters</i> , 2018, 98, 55-63.	0.5	3
107	The Shear Punch Jump Testâ€a Novel Application of a Small Specimen Testing Technique for Rapid Evaluation of Deformation Mechanisms. <i>Experimental Mechanics</i> , 2015, 55, 1569-1573.	1.1	2
108	Effect of Post-deformation Annealing Treatment on the Microstructural Evolution of a Cold-Worked Corrosion-Resistant Superalloy (CRSA) Steel. <i>Journal of Materials Engineering and Performance</i> , 2018, 27, 1168-1176.	1.2	2

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109	Throughput study of diffusion along the twin boundaries in Mg-5Sn-0.3Li as-cast alloy and its effect on the homogenization during hot deformation. <i>Materials Letters</i> , 2020, 281, 128446.	1.3	2
110	The valuation of microstructural evolution in a thermo-mechanically processed transformation-twinning induced plasticity steel during strain hardening. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 754, 799-810.	2.6	1
111	Comparing the mechanical properties, microstructure, texture and in-vitro degradation behavior of TNTZ/nano-fluorapatite composite and TNTZ bioalloy. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 117, 104402.	1.5	1
112	Microstructural-constraint induced ferrite refinement during compressive deformation of a triplex ferrite-based low density steel. <i>Vacuum</i> , 2021, 193, 110534.	1.6	1