

Niloofer Eftekhari

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papers

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21
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113
ext. papers

1,877
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avg, IF

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L-index

#	Paper	IF	Citations
112	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	4.4	91
111	A comparative study on the capability of Johnson-Cook and Arrhenius-type constitutive equations to describe the flow behavior of Mg ₈₅ Al ₁₅ Zn alloy. <i>Mechanics of Materials</i> , 2014 , 71, 52-61	3.3	72
110	Hot deformation characterization of duplex low-density steel through 3D processing map development. <i>Materials Characterization</i> , 2015 , 107, 293-301	3.9	57
109	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	5.7	57
108	Constitutive description of high temperature flow behavior of Sanicro-28 super-austenitic stainless steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 589, 76-82	5.3	54
107	The effect of thermomechanical parameters on the eutectic silicon characteristics in a non-modified cast A356 aluminum alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 549, 93-99	5.3	51
106	Effect of the Zener-Hollomon parameter on the microstructure evolution of dual phase TWIP steel subjected to friction stir processing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 638, 15-19	5.3	48
105	Microstructure and superior mechanical properties of a multi-axially forged WE magnesium alloy. <i>Journal of Alloys and Compounds</i> , 2017 , 693, 406-413	5.7	47
104	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	3.5	46
103	Hot ductility behavior of an extruded 7075 aluminum alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 637, 107-122	5.3	44
102	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	3.3	44
101	Temperature dependence of plastic deformation mechanisms in a modified transformation-twinning induced plasticity steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 579, 150-156	5.3	34
100	Enhancing the strength and ductility in accumulative back extruded WE43 magnesium alloy through achieving bimodal grain size distribution and texture weakening. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 698, 218-229	5.3	33
99	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	8.4	30
98	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	1.6	29
97	An investigation into the mechanical behavior of a new transformation-twinning induced plasticity steel. <i>Materials & Design</i> , 2012 , 39, 279-284		28
96	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	5.3	27

95	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	1.6	27
94	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	4.6	27
93	Latest Developments in Modeling and Characterization of Joining Metal Based Hybrid Materials. <i>Advanced Engineering Materials</i> , 2018 , 20, 1800048	3.5	26
92	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	4.4	24
91	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	1.6	21
90	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 & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018 , 725, 341-349	5.3	21
89	Dynamic recrystallization behavior of new transformation-induced plasticity steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 607, 397-408	5.3	20
88	Flow Characterization of a Duplex near β -Ti6242 Alloy through Interrelation of Microstructural Evolution, 3D Activation Energy Map, and Processing Map. <i>Advanced Engineering Materials</i> , 2016 , 18, 1075-1085	3.5	19
87	The Mg ₂ Si phase evolution during thermomechanical processing of in-situ aluminum matrix macro-composite. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 644, 310-317	5.3	18
86	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	1.6	18
85	Approving Restoration Mechanism in 7075 Aluminum Alloy through Constitutive Flow Behavior Modeling. <i>Advanced Engineering Materials</i> , 2016 , 18, 989-1000	3.5	18
84	The enhanced static recrystallization kinetics of a non-equiatomic high entropy alloy through the reverse transformation of strain induced martensite. <i>Journal of Alloys and Compounds</i> , 2019 , 806, 1550-1563	5.7	16
83	High-temperature flow characterization and microstructural evolution of Ti6242 alloy: Yield drop phenomenon. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 673, 346-354	5.3	16
82	Dynamic dissolution and transformation of LPSO phase during thermomechanical processing of a GWZ magnesium alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 754, 85-98	5.3	15
81	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	1.6	15
80	Strain induced transformation, dynamic recrystallization and texture evolution during hot compression of an extruded Mg-Gd-Y-Zn-Zr alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020 , 778, 139021	5.3	15
79	Transformation and twinning induced plasticity in an advanced high Mn austenitic steel processed by martensite reversion treatment. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 696, 511-519	5.3	14
78	Hot Deformation and Dynamic Recrystallization of Ti-6Al-7Nb Biomedical Alloy in Single-Phase β Region. <i>Journal of Materials Engineering and Performance</i> , 2015 , 24, 1799-1808	1.6	14

77	Thermal stability of an ultrafine-grained dual phase TWIP steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 638, 5-14	5.3	14
76	Characterization of twin-like structure in a ferrite-based lightweight steel. <i>Metals and Materials International</i> , 2016 , 22, 810-816	2.4	14
75	Evolution of microstructure and mechanical properties in a cold deformed nitrogen bearing TRIP-assisted duplex stainless steel after reversion annealing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 683, 83-89	5.3	14
74	The microstructure evolution and room temperature deformation behavior of ferrite-based lightweight steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 665, 10-16	5.3	14
73	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	2.3	13
72	The sequential twinning-transformation induced plasticity effects in a thermomechanically processed high Mn austenitic steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018 , 725, 242-249	5.3	12
71	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	5.7	12
70	Grain Refinement through Shear Banding in Severely Plastic Deformed A206 Aluminum Alloy. <i>Advanced Engineering Materials</i> , 2018 , 20, 1700502	3.5	11
69	Processing Map Development through Elaborating Phenomenological and Physical Constitutive Based Models. <i>Advanced Engineering Materials</i> , 2016 , 18, 572-581	3.5	11
68	An investigation into the warm deformation behavior of Ti _{0.5} Al _{0.5} Cr _{0.5} Mo _{0.5} Fe _{0.3} Si alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 654, 264-270	5.3	11
67	Room-temperature micro and macro mechanical properties of the metastable Ti _{0.9} Nb _{0.4} Ta _{0.5} Zr alloy holding nano-sized precipitates. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020 , 771, 138583	5.3	11
66	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	2.3	10
65	An investigation into the room temperature mechanical properties and microstructural evolution of thermomechanically processed TWIP steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 596, 200-206	5.3	10
64	Correlation of Strain Accommodation Factor with the State of Microstructural Components in a Multiphase Steel. <i>ISIJ International</i> , 2015 , 55, 2406-2415	1.7	10
63	Effects of ferrite phase characteristics on microstructure and mechanical properties of thermomechanically-processed low-silicon content TRIP-assisted steels. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 626, 229-236	5.3	10
62	Dynamic restoration of the ferrite and austenite phases during hot compressive deformation of a lean duplex stainless steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020 , 788, 139400	5.3	10
61	Surface Modification of Titanium by Producing Ti/TiN Surface Composite Layers via FSP. <i>Acta Metallurgica Sinica (English Letters)</i> , 2017 , 30, 550-557	2.5	9
60	The wear induced crystallographic texture transition in Ti-29Nb-14Ta-4.5Zr alloy. <i>Applied Surface Science</i> , 2019 , 491, 360-373	6.7	9

59	The grain boundary character distribution in thermomechanically processed rare earth bearing magnesium alloy. <i>Journal of Alloys and Compounds</i> , 2019 , 798, 158-166	5.7	9
58	The enhancement of transformation induced plasticity effect through preferentially oriented substructure development in a high entropy alloy. <i>Intermetallics</i> , 2019 , 109, 145-156	3.5	9
57	Microstructural Evolution and Texture Analysis in a Thermomechanically Processed Low SFE Super-Austenitic Steel (Alloy-28). <i>Advanced Engineering Materials</i> , 2018 , 20, 1700928	3.5	9
56	The Enhanced Shape Memory Effect and Mechanical Properties in Thermomechanically Processed Semi-Equiatomic NiTi Shape Memory Alloy. <i>Advanced Engineering Materials</i> , 2016 , 18, 251-258	3.5	8
55	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	3.5	8
54	High-Temperature Wear Mechanisms of a Severely Plastic Deformed Al/Mg ₂ Si Composite. <i>Journal of Tribology</i> , 2019 , 141,	1.8	8
53	Correlation between warm deformation characteristics and mechanical properties of a new TRIP-assisted FeMnNi steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 649, 27-34	5.3	7
52	Deformation behavior of a high-plasticity nano/ultrafine-grained N-bearing duplex stainless steel: Twin/twin-like induced plasticity effect. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 700, 637-640	5.3	7
51	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	1.6	7
50	High-Temperature Deformation Characteristics of a β -Type Ti-29Nb-13Ta-4.6Zr Alloy. <i>Journal of Materials Engineering and Performance</i> , 2016 , 25, 1554-1561	1.6	7
49	The strain accommodation in Ti ₈₈ Nb ₁₂ Ta ₅ Zr alloy during warm deformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 592, 57-63	5.3	7
48	Ductility improvement in AZ31 magnesium alloy using constrained compression testing technique. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 576, 74-81	5.3	7
47	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	5	7
46	Optimum Deformation Criteria and Flow Behavior Description of Boron-Alloyed Steel through Numerical Approach. <i>Steel Research International</i> , 2016 , 87, 1657-1669	1.6	7
45	Effect of Severe Plastic Deformation and Subsequent Silicon Spheroidizing Treatment on the Microstructure and Mechanical Properties of an AlSiMg Alloy. <i>Advanced Engineering Materials</i> , 2017 , 19, 1700064	3.5	6
44	Novel analytical approach for evaluating the mechanical properties of friction stir spot joints through constitutive modeling. <i>Engineering Fracture Mechanics</i> , 2019 , 216, 106522	4.2	6
43	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	3.5	6
42	A new insight into LPSO transformation during multi-axial forging in Mg-Gd-Y-Zn-Zr alloy. <i>Materials Letters</i> , 2020 , 269, 127625	3.3	6

41	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	1.6	6
40	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	3.2	6
39	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	3.9	5
38	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	3.2	5
37	D03 Ordered Phase Strengthening in Dual Phase Twinning-Induced Plasticity Steel. <i>Journal of Materials Engineering and Performance</i> , 2015 , 24, 2085-2090	1.6	5
36	High-Temperature Deformation Behavior of a Ti-6Al-7Nb Alloy in Dual-Phase (β) and Single-Phase (α) Regions. <i>Journal of Materials Engineering and Performance</i> , 2016 , 25, 46-58	1.6	5
35	Hybrid metallic composite materials fabricated by sheathed powder compaction. <i>Journal of Materials Science</i> , 2016 , 51, 3118-3124	4.3	5
34	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	8.3	5
33	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	3.3	5
32	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	5.5	5
31	The high temperature mechanical properties and the correlated microstructure/ texture evolutions of a TWIP high entropy alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021 , 802, 140600	5.3	5
30	Qualitative and Quantitative Analysis of Thermomechanical Behavior of an Al4Sr Dispersed In Situ Composite. <i>Journal of Materials Engineering and Performance</i> , 2017 , 26, 1236-1244	1.6	4
29	Inner Architecture of Bonded Splats under Combined High Pressure and Shear. <i>Advanced Engineering Materials</i> , 2016 , 18, 501-505	3.5	4
28	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	2.4	4
27	Microstructural evolution and mechanical properties of accumulative back extruded duplex (β) brass. <i>Materials Characterization</i> , 2019 , 152, 101-114	3.9	3
26	Nanoscale partitioning of Mn between austenite and martensite revealed by Curie temperature variations. <i>Philosophical Magazine Letters</i> , 2018 , 98, 55-63	1	3
25	Tribological Performance and Electrochemical Behavior of Ti-29Nb-14Ta-4.5Zr Alloy in Simulated Physiological Solution. <i>Advanced Engineering Materials</i> , 2020 , 22, 1900758	3.5	3
24	EBSD Study of Deformation Microstructure of an As-Homogenized Austenitic Mn Steel after Hot Compression. <i>Advanced Engineering Materials</i> , 2018 , 20, 1800327	3.5	3

23	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	5.7	3
22	Polylactic Acid Piezo-Biopolymers: Chemistry, Structural Evolution, Fabrication Methods, and Tissue Engineering Applications.. <i>Journal of Functional Biomaterials</i> , 2021 , 12,	4.8	3
21	The Shear Punch Jump Test— Novel Application of a Small Specimen Testing Technique for Rapid Evaluation of Deformation Mechanisms. <i>Experimental Mechanics</i> , 2015 , 55, 1569-1573	2.6	2
20	Duality in dislocation density-superelasticity correlation in a TNTZ bio alloy processed by cold rolling and subsequent annealing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020 , 782, 139181	5.3	2
19	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	1.6	2
18	The Effect of Aging Temperature on Microstructure and Tensile Properties of a Novel Designed Fe-2Mn-Ni Maraging-TRIP Steel. <i>Steel Research International</i> , 2019 , 90, 1800282	1.6	2
17	The Effect of Martensite-Austenite Constituent Characteristics on the Mechanical Behavior of Quenched-Partitioned Steel at Room Temperature. <i>Steel Research International</i> , 2019 , 90, 1800399	1.6	2
16	Bi-directional ferrite to austenite transformation through warm temperature deformation of a ferrite-based low density steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021 , 821, 141596	5.3	2
15	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	5.5	2
14	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	5.5	1
13	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, 6974-6974	5.5	1
12	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	5.5	1
11	Microstructural evolution and corrosion behavior of Sanicro 28 during thermomechanical processing. <i>Materials Today Communications</i> , 2020 , 24, 101228	2.5	1
10	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	3.3	1
9	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	5.5	1
8	Decelerated grain growth kinetic and effectiveness of Hall-Petch relationship in a cold-rolled non-equiatomic high entropy alloy. <i>Journal of Alloys and Compounds</i> , 2021 , 874, 159849	5.7	1
7	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	5.5	1
6	The enhanced warm temperature ductility of Ti-6Al-4V alloy through strain induced martensite reversion and recrystallization. <i>Materials Letters</i> , 2021 , 302, 130405	3.3	1

5	Microstructural-constraint induced ferrite refinement during compressive deformation of a triplex ferrite-based low density steel. <i>Vacuum</i> , 2021 , 193, 110534	3.7	1
4	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	5.5	0
3	Characterization of semisolid deformation behavior of a high Zr-containing WE magnesium alloy. <i>Rare Metals</i> , 2018 , 1	5.5	
2	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	4.1	
1	The valuation of microstructural evolution in a thermo-mechanically processed transformation-twinning induced plasticity steel during strain hardening. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 754, 799-810	5.3	