Hossein Beladi

List of Publications by Year
in descending order

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151	4,527	109137	133063
papers	citations	35 h-index	59 g-index

153	153	153	2672
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Interface characteristics and precipitation during the austenite-to-ferrite transformation of a Ti-Mo microalloyed steel. Journal of Alloys and Compounds, 2022, 893, 162224.	2.8	4
2	Microstructure evolution of 316L stainless steel during solid-state additive friction stir deposition. Philosophical Magazine, 2022, 102, 618-633.	0.7	20
3	The influence of parent austenite characteristics on the intervariant boundary network in a lath martensitic steel. Journal of Materials Science, 2022, 57, 8904-8923.	1.7	5
4	Interphase precipitation hardening of a TiMo microalloyed dual-phase steel produced by continuous cooling. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 804, 140518.	2.6	10
5	Precipitation reactions in 12Crâ€“3Niâ€“3Mnâ€“3Cuâ€“0.15Nb steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 808, 140909.	2.6	8
6	The Effect of Strain and Annealing on the Growth of NbC Precipitates During Two-Pass Hot Deformation of a Fe-30Ni-Nb Model Microalloyed Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 4357-4367.	1.1	3
7	The role of thermomechanical processing routes on the grain boundary network of martensite in Tiâ€“6Alâ€“4V. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 822, 141665.	2.6	5
8	The Mechanical Properties of Low Alloy TRIP-Aided Steel: The Role of Retained Austenite. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 4649-4663.	1.1	7
9	On the grain boundary network characteristics in a dual phase steel. Journal of Materials Science, 2021, 56, 19674-19686.	1.7	3
10	Grain boundary energy function for Î± iron. Materialia, 2021, 19, 101186.	1.3	20
11	Tailoring the deformation characteristics of commercial purity titanium through hot deformation of a martensitic microstructure. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 827, 142075.	2.6	8
12	The effect of austenite reversion on the microstructure and mechanical properties of a 12Crâ€“3Niâ€“3Mnâ€“3Cu-0.15Nbâ€“0.05C maraging stainless steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 828, 142097.	2.6	11
13	Effect of manganese on the grain boundary network of lath martensite in precipitation hardenable stainless steels. Journal of Alloys and Compounds, 2021, 886, 161333.	2.8	9
14	Outstanding Mild Wear Performance of Tiâ€“29Nbâ€“14Taâ€“4.5Zr Alloy Through Subsurface Grain Refinement and Supporting Effect of Transformation Induced Plasticity. Metals and Materials International, 2020, 26, 467-476.	1.8	13
15	Five-parameter grain boundary characterisation of randomly textured AZ31 Mg alloy. Philosophical Magazine, 2020, 100, 456-466.	0.7	9
16	The role of phase transformation mechanism on the grain boundary network in a commercially pure titanium. Materials Characterization, 2020, 169, 110640.	1.9	11
17	On the grain boundary network characteristics in a martensitic Tiâ€“6Alâ€“4V alloy. Journal of Materials Science, 2020, 55, 15299-15321.	1.7	24
18	Neutron diffraction analysis of stress and strain partitioning in a two-phase microstructure with parallel-aligned phases. Scientific Reports, 2020, 10, 13536.	1.6	3

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19	EBSD Investigation to Study the Restoration Mechanism and Substructural Characteristics of 23Crâ€“6Niâ€“3Mo Duplex Stainless Steel During Post-deformation Annealing. Transactions of the Indian Institute of Metals, 2020, 73, 1421-1431.	0.7	7
20	New insights into the interface characteristics of a duplex stainless steel subjected to accelerated ferrite-to-austenite transformation. Journal of Materials Science, 2020, 55, 5322-5339.	1.7	17
21	Influence of C content and annealing temperature on the microstructures and tensile properties of Feâ€“13Mnâ€“8Alâ€“(0.7, 1.2)C steels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 785, 139286.	2.6	13
22	Abrasive Wear Resistance of Ferrous Microstructures with Similar Bulk Hardness Levels Evaluated by a Scratch-Tester Method. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2019, 50, 4839-4850.	1.1	5
23	Development of New Third-Generation Medium Manganese Advanced High-Strength Steels Elaborating Hot-Rolling and Intercritical Annealing. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2019, 50, 4261-4274.	1.1	7
24	A microstructural based constitutive approach for simulating hot deformation of Ti6Al4V alloy in the Î±â€²+â€²Î² phase region. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 748, 30-37.	2.6	25
25	Effect of initial microstructure and beta phase evolution on dynamic recrystallization behaviour of Ti6Al4V alloy - An EBSD based investigation. Journal of Alloys and Compounds, 2019, 793, 467-479.	2.8	33
26	One-step quenching and partitioning treatment of a tailor welded blank of boron and TRIP steels for automotive applications. Materials and Design, 2019, 174, 107799.	3.3	26
27	Microstructural evolution and mechanical properties of accumulative back extruded duplex (Î±â€²+â€²Î²) brass. Materials Characterization, 2019, 152, 101-114.	1.9	10
28	Hydrogen depth profiles and microhardness of electrochemically hydrogen-charged nanostructured bainitic steels. International Journal of Hydrogen Energy, 2019, 44, 14064-14069.	3.8	2
29	The effect of strain on interphase precipitation characteristics in a Ti-Mo steel. Acta Materialia, 2019, 170, 75-86.	3.8	44
30	Microstructure dependence of impact toughness in duplex stainless steels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 745, 369-378.	2.6	44
31	Effect of pre-deformation mode on the microstructures and mechanical properties of Hadfield steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 743, 251-258.	2.6	13
32	Atomistic simulations of grain boundary energies in austenitic steel. Journal of Materials Science, 2019, 54, 5570-5583.	1.7	20
33	The effect of phase transformation route on the intergranular corrosion susceptibility of 2205 duplex stainless steel. Materials Letters, 2019, 238, 26-30.	1.3	25
34	Formation of ultrafine grained structure in plain carbon steels through thermomechanical processing. Zavarivanje I Zavarene Konstrukcije, 2019, 64, 83-92.	0.1	0
35	Microstructure Evolution and Mechanical Behavior of a CMnSiAl TRIP Steel Subjected to Partial Austenitization Along with Quenching and Partitioning Treatment. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 1509-1519.	1.1	17
36	Five-parameter crystallographic characteristics of the interfaces formed during ferrite to austenite transformation in a duplex stainless steel. Philosophical Magazine, 2018, 98, 1284-1306.	0.7	14

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37	Effect of ferrite-to-austenite phase transformation path on the interface crystallographic character distributions in a duplex stainless steel. Acta Materialia, 2018, 145, 196-209.	3.8	80
38	Second-phase hardening and rule of mixture, microbands and dislocation hardening in Fe 67.4â˜'x Cr 15.5 Ni 14.1 Si 3.0 B x (x = 0, 2) alloy systems. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 715, 214-225.	2.6	8
39	The Role of Grain Orientation and Grain Boundary Characteristics in the Mechanical Twinning Formation in a High Manganese Twinning-Induced Plasticity Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 2597-2611.	1.1	18
40	Hydrogen permeation in twinning-induced plasticity (TWIP) steel. International Journal of Hydrogen Energy, 2018, 43, 22685-22693.	3.8	14
41	Strain hardening and nanocrystallization behaviors in Hadfield steel subjected to surface severe plastic deformation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 729, 178-184.	2.6	34
42	Five-parameter intervariant boundary characterization of martensite in commercially pure titanium. Acta Materialia, 2018, 154, 147-160.	3.8	72
43	An Analysis on the Constitutive Models for Forging of Ti6Al4V Alloy Considering the Softening Behavior. Journal of Materials Engineering and Performance, 2018, 27, 3545-3558.	1.2	28
44	The Role of Thermomechanical Routes on the Distribution of Grain Boundary and Interface Plane Orientations in Transformed Microstructures. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 2781-2790.	1.1	22
45	On the crystallographic characteristics of nanobainitic steel. Acta Materialia, 2017, 127, 426-437.	3.8	55
46	Static Softening in a Ni-30Fe Austenitic Model Alloy After Hot Deformation: Microstructure and Texture Evolution. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 855-867.	1.1	11
47	The austenite microstructure evolution in a duplex stainless steel subjected to hot deformation. Philosophical Magazine, 2017, 97, 1209-1237.	0.7	37
48	Thermal stability of an ultrafine grained Ti-6Al-4V alloy during post-deformation annealing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 694, 13-23.	2.6	31
49	Analysis of tensile deformation behavior of AM2BÂ® advanced high-strength steel using electron back-scattered diffraction technique. Materials Characterization, 2017, 130, 64-73.	1.9	6
50	Austenite-ferrite interface crystallography dependence of sigma phase precipitation using the five-parameter characterization approach. Materials Letters, 2017, 196, 264-268.	1.3	36
51	A novel high-strain-rate ferrite dynamic softening mechanism facilitated by the interphase in the austenite/ferrite microstructure. Acta Materialia, 2017, 126, 44-57.	3.8	96
52	One-step quenching and partitioning treatment of a commercial low silicon boron steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 707, 538-547.	2.6	39
53	Dynamic Restoration Processes in a 23Cr-6Ni-3Mo Duplex Stainless Steel: Effect of Austenite Morphology and Interface Characteristics. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 4803-4820.	1.1	19
54	Strain rate dependence of ferrite dynamic restoration mechanism in a duplex low-density steel. Materials and Design, 2017, 132, 360-366.	3.3	30

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55	The five-parameter grain boundary curvature distribution in an austenitic and ferritic steel. Acta Materialia, 2017, 123, 136-145.	3.8	39
56	Atomistic simulations of grain boundary energies in tungsten. Materials Letters, 2017, 186, 116-118.	1.3	19
57	The Nitrocarburising Response of Low Temperature Bainite Steel. Metals, 2017, 7, 234.	1.0	9
58	The influence of fine ferrite formation on the Î³/Îł± interface, fine bainite and retained austenite in a thermomechanically-processed transformation induced plasticity steel. Journal of Materials Research, 2016, 31, 806-818.	1.2	7
59	Growth of bainitic ferrite and carbon partitioning during the early stages of bainite transformation in a 2â€...mass% silicon steel studied by in situ neutron diffraction, TEM and APT. Journal of Applied Crystallography, 2016, 49, 399-414.	1.9	42
60	Comparisons of the two-body abrasive wear behaviour of four different ferrous microstructures with similar hardness levels. Wear, 2016, 350-351, 155-165.	1.5	32
61	Effect of particle characteristics on the two-body abrasive wear behaviour of a pearlitic steel. Wear, 2016, 354-355, 41-52.	1.5	27
62	On the Ti-Mo-Fe-C atomic clustering during interphase precipitation in the Ti-Mo steel studied by advanced microscopic techniques. Materials and Design, 2016, 111, 222-229.	3.3	44
63	Hydrogen Permeation in Nanostructured Bainitic Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 4896-4903.	1.1	10
64	The Impact of Retained Austenite Characteristics on the Two-Body Abrasive Wear Behavior of Ultrahigh Strength Bainitic Steels. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 4883-4895.	1.1	31
65	Microstructure characteristics of the ã€˂111ã€‰ oriented grains in a Fe-30Ni-Nb model austenitic steel deformed in hot uniaxial compression. Materials Characterization, 2016, 118, 382-396.	1.9	9
66	On the work-hardening behaviour of a high manganese TWIP steel at different deformation temperatures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 669, 437-446.	2.6	53
67	Microstructure and Texture Evolution During Symmetric and Asymmetric Rolling of a Martensitic Ti-6Al-4V Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 531-545.	1.1	19
68	Enhanced mechanical response of an ultrafine grained Tiâ€“6Alâ€“4V alloy produced through warm symmetric and asymmetric rolling. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 650, 404-413.	2.6	23
69	Heat affected zone microstructures and their influence on toughness in two microalloyed HSLA steels. Acta Materialia, 2015, 97, 380-391.	3.8	70
70	The effect of deformation twinning on stress localization in a three dimensional TWIP steel microstructure. Modelling and Simulation in Materials Science and Engineering, 2015, 23, 045010.	0.8	17
71	Thermo-mechanical Processing of TRIP-Aided Steels. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 3232-3247.	1.1	34
72	Constitutive analysis of hot deformation behavior of a Ti6Al4V alloy using physical based model. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 648, 265-273.	2.6	60

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73	Computational inverse analysis of static recrystallization kinetics. International Journal of Mechanical Sciences, 2015, 103, 97-103.	3.6	7
74	The evolution of microbands and their interaction with NbC precipitates during hot deformation of a Feâ€“30Niâ€“Nb model austenitic steel. Acta Materialia, 2015, 99, 347-362.	3.8	31
75	Orientation Dependence of the Deformation Microstructure in a Fe-30Ni-Nb Model Austenitic Steel Subjected to Hot Uniaxial Compression. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 5933-5951.	1.1	19
76	Variant selection and intervariant crystallographic planes distribution in martensite in a Tiâ€“6Alâ€“4V alloy. Acta Materialia, 2014, 80, 478-489.	3.8	190
77	Aqueous corrosion performance of nanostructured bainitic steel. Materials & Design, 2014, 54, 67-71.	5.1	30
78	The five-parameter grain boundary character and energy distributions of a fully austenitic high-manganese steel using three dimensional data. Acta Materialia, 2014, 70, 281-289.	3.8	62
79	Ultrafine Grain Formation in a Ti-6Al-4V Alloy by Thermomechanical Processing of a Martensitic Microstructure. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 2659-2671.	1.1	85
80	The distribution of intervariant crystallographic planes in a lath martensite using five macroscopic parameters. Acta Materialia, 2014, 63, 86-98.	3.8	89
81	On low temperature bainite transformation characteristics using in-situ neutron diffraction and atom probe tomography. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 589, 303-309.	2.6	28
82	Surface wrinkling of the twinning induced plasticity steel during the tensile and torsion tests. Materials & Design, 2014, 60, 146-152.	5.1	25
83	Selective Dissolution of Retained Austenite in Nanostructured Bainitic Steels. Advanced Engineering Materials, 2014, 16, 442-444.	1.6	8
84	Evolution of strain-induced precipitates in a model austenitic Feâ€“30Niâ€“Nb steel and their effect on the flow behaviour. Acta Materialia, 2014, 80, 1-15.	3.8	50
85	A constitutive model of the deformation behaviour of twinning induced plasticity (TWIP) steel at different temperatures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 613, 224-231.	2.6	58
86	On the Low Temperature Strain Aging of Bainite in the TRIP Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 5177-5191.	1.1	19
87	The Distribution of Grain Boundary Planes in Interstitial Free Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 115-124.	1.1	59
88	The five-parameter grain boundary character distribution of nanocrystalline tungsten. Scripta Materialia, 2013, 69, 413-416.	2.6	34
89	A novel thermomechanical approach to produce a fine ferrite and low-temperature bainitic composite microstructure. Acta Materialia, 2013, 61, 7240-7250.	3.8	27
90	The relative grain boundary area and energy distributions in a ferritic steel determined from three-dimensional electron backscatter diffraction maps. Acta Materialia, 2013, 61, 1404-1412.	3.8	118

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91	Back calculation of parent austenite orientation using a clustering approach. Journal of Applied Crystallography, 2013, 46, 210-215.	1.9	48
92	Atomic Scale Investigation of Solutes and Precipitates in High Strength Steels. Materials Science Forum, 2013, 762, 14-21.	0.3	7
93	Multiscale microstructure engineering of steels. Materials Science and Technology, 2013, 29, 1152-1157.	0.8	4
94	Orientation Dependence of the Substructure Characteristics in a Ni-30%Fe Austenitic Alloy Deformed in Hot Torsion. Materials Science Forum, 2013, 753, 54-57.	0.3	2
95	Effect of Substructure Characteristics on the Dislocation Annihilation Process during Post-Deformation Annealing. Materials Science Forum, 2013, 753, 76-79.	0.3	1
96	New Insights into the Dynamic and Metadynamic Recrystallization of Austenite. Materials Science Forum, 2012, 715-716, 259-266.	0.3	0
97	Substructure and Texture Characteristics of the Deformed Matrix and Dynamically Recrystallized Grains in a Ni-30%Fe Austenitic Alloy. Materials Science Forum, 2012, 715-716, 180-185.	0.3	0
98	Effects of dynamic loading on nano-scale depth-recovery and damping property of single crystal CuAlNi shape memory alloy. Journal of Alloys and Compounds, 2012, 545, 222-224.	2.8	11
99	Dynamic strain-induced ferrite transformation (DSIT) in steels. , 2012, , 527-554.		1
100	CHARACTERIZATION OF NANO-STRUCTURED BAINITIC STEEL. International Journal of Modern Physics Conference Series, 2012, 05, 1-8.	0.7	5
101	Understanding the Behavior of Advanced High-Strength Steels Using Atom Probe Tomography. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2012, 43, 3958-3971.	1.1	37
102	Role of microstructure in the low cycle fatigue of multi-phase steels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 534, 288-296.	2.6	58
103	Constitutive Modeling of the Tensile Behavior of Al-TWIP Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2012, 43, 479-490.	1.1	52
104	Three-dimensional atomic scale analysis of microstructures formed in high strength steels. Materials Science and Technology, 2011, 27, 739-741.	0.8	18
105	Nanoscale microstructural characterization of a nanobainitic steel. Acta Materialia, 2011, 59, 5511-5522.	3.8	102
106	Orientation dependence of twinning and strain hardening behaviour of a high manganese twinning induced plasticity steel with polycrystalline structure. Acta Materialia, 2011, 59, 7787-7799.	3.8	172
107	New insight into the mechanism of metadynamic softening in austenite. Acta Materialia, 2011, 59, 1482-1492.	3.8	35
108	Ultrafine ferrite formation through isothermal static phase transformation. Acta Materialia, 2011, 59, 4186-4196.	3.8	30

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109	The mechanism of metadynamic softening in austenite after complete dynamic recrystallization. Scripta Materialia, 2010, 62, 191-194.	2.6	39
110	On the characteristics of substructure development through dynamic recrystallization. Acta Materialia, 2010, 58, 3531-3541.	3.8	67
111	Texture and Substructure Development during Dynamic Recrystallization in Ni-30Fe Austenite. Materials Science Forum, 2010, 638-642, 2835-2840.	0.3	2
112	Texture and Substructure Development during Post-Dynamic Softening in Ni-30%Fe Austenite. Materials Science Forum, 2010, 654-656, 1279-1282.	0.3	0
113	Crystallographic analysis of nanobainitic steels. Scripta Materialia, 2009, 60, 455-458.	2.6	81
114	Texture and substructure characteristics of dynamic recrystallization in a Niâ€“30%Fe austenitic model alloy. Scripta Materialia, 2009, 61, 528-531.	2.6	29
115	Dynamic Recrystallization of Austenite in Ni-30 Pct Fe Model Alloy: Microstructure and Texture Evolution. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2009, 40, 1175-1189.	1.1	135
116	THE FORMATION OF ULTRAFINE FERRITE THROUGH STATIC TRANSFORMATION IN LOW CARBON STEELS. International Journal of Modern Physics B, 2008, 22, 2804-2813.	1.0	1
117	A Descriptive Model for the Formation of Ultrafine Grained Steels. ISIJ International, 2008, 48, 1046-1049.	0.6	18
118	The Recrystallization Behaviour of Nb Microalloyed Steels. Materials Science Forum, 2007, 561-565, 25-28.	0.3	0
119	Ultrafine grained structure formation in steels using dynamic strain induced transformation processing. International Materials Reviews, 2007, 52, 14-28.	9.4	74
120	The formation of ultrafine ferrite through static transformation in low carbon steels. Acta Materialia, 2007, 55, 4925-4934.	3.8	57
121	Influence of aging pre-treatment on the compressive deformation of WE54 alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 452-453, 306-312.	2.6	41
122	Dynamic recrystallization in AZ31 magnesium alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 456, 52-57.	2.6	314
123	Effect of carbon content on the recrystallization kinetics of Nb-steels. Scripta Materialia, 2007, 56, 1059-1062.	2.6	43
124	The Effect of Multiple Deformations on the Formation of Ultrafine Grained Steels. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2007, 38, 450-463.	1.1	33
125	Characterization on ferrite microstructure evolution during large strain warm torsion testing of plain low carbon steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 435-436, 499-503.	2.6	27
126	Mapping the Hot Deformation Microstructure of Ni-30Fe Alloy. ISIJ International, 2005, 45, 1893-1896.	0.6	6

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127	Grain Refinement in Steels through Thermomechanical Processing. Materials Science Forum, 2005, 500-501, 39-48.	0.3	11
128	THE DEVELOPMENT OF ULTRAFINE GRAINED STEELS THROUGH THERMOMECHANICAL PROCESSING. Canadian Metallurgical Quarterly, 2005, 44, 179-186.	0.4	5
129	The Influence of Solute Carbon in Cold-rolled Steels on Shear Band Formation and Recrystallization Texture. ISIJ International, 2004, 44, 1072-1078.	0.6	34
130	Formation of ultrafine grained microstructures in steel through strain induced transformation during single pass hot rolling. Materials Science and Technology, 2004, 20, 213-220.	0.8	19
131	Effect of thermomechanical parameters on the critical strain for ultrafine ferrite formation through hot torsion testing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 367, 152-161.	2.6	78
132	The evolution of ultrafine ferrite formation through dynamic strain-induced transformation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 371, 343-352.	2.6	89
133	Recrystallization in 304 Austenitic Stainless Steel. Materials Science Forum, 2004, 467-470, 1163-1168.	0.3	23
134	Formation of Ultrafine Grained Structure in Plain Carbon Steels Through Thermomechanical Processing. Materials Transactions, 2004, 45, 2214-2218.	0.4	14
135	Ultrafine Grained Ferrite Formed by Interrupted Hot Torsion Deformation of Plain Carbon Steel.. ISIJ International, 2002, 42, 1585-1590.	0.6	20
136	Constitutive Modeling of TWIP Steel in Uni-Axial Tension. Materials Science Forum, 0, 654-656, 270-273.	0.3	18
137	Nano-Scale Analysis of Nano-Bainite Formed in Advanced High Strength Steels. Materials Science Forum, 0, 654-656, 102-105.	0.3	6
138	Refinement of Microstructure in Steels through Thermomechanical Processing. Advanced Materials Research, 0, 97-101, 2163-2166.	0.3	1
139	Application of Advanced Experimental Techniques for the Microstructural Characterization of Nanobainitic Steels. Solid State Phenomena, 0, 172-174, 1249-1254.	0.3	4
140	Effect of Thermomechanical Processing on the Microstructure and Retained Austenite Stability during In Situ Tensile Testing Using Synchrotron X-Ray Diffraction of NbMoAl TRIP Steel. Solid State Phenomena, 0, 172-174, 741-746.	0.3	5
141	Understanding of the Bainite Transformation in a Nano-Structured Bainitic Steel. Solid State Phenomena, 0, 172-174, 123-128.	0.3	7
142	Texture Evolution and Softening Processes in an Austenitic Ni-30Fe Alloy Subjected to Hot Deformation and Subsequent Annealing. Materials Science Forum, 0, 702-703, 435-438.	0.3	0
143	Microstructure Evolution and Softening Processes Occurring during Annealing of Hot Deformed Ni-30Fe Austenite. Materials Science Forum, 0, 706-709, 2134-2139.	0.3	0
144	Effect of Bake-Hardening Treatment on the Mechanical Properties of High Strength Bainitic Steel Produced by Thermomechanical Processing. Materials Science Forum, 0, 706-709, 2332-2337.	0.3	4

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145	The Formation of Ultrafine Ferrite and Low Temperature Bainite through Thermomechanical Processing. Materials Science Forum, 0, 706-709, 2047-2052.	0.3	1
146	Effect of Temperature on Mechanical Behaviour of High Manganese TWIP Steel. Materials Science Forum, 0, 773-774, 257-262.	0.3	0
147	Deformation Behaviour of a Commercial Pure Titanium Alloy during Hot Compression Testing. Materials Science Forum, 0, 773-774, 281-286.	0.3	2
148	The Correlation between Stacking Fault Energy and the Work Hardening Behaviour of High-Mn Twinning Induced Plasticity Steel Tested at Various Temperatures. Advanced Materials Research, 0, 922, 676-681.	0.3	5
149	Microstructure Evolution of Martensitic Ti-6Al-4V Alloy during Warm Deformation. Materials Science Forum, 0, 783-786, 679-684.	0.3	5
150	Softening Behavior of Ti6Al4V Alloy during Hot Deformation. Materials Science Forum, 0, 828-829, 407-412.	0.3	3
151	Restoration Mechanism and Sub-Structural Characteristics of Duplex Stainless Steel with an Initial Equiaxed Austenite Morphology during Post-Deformation Annealing. Key Engineering Materials, 0, 882, 64-73.	0.4	5