Carlos Capdevila

List of Publications by Year
in descending order

183	4,497	101384	143772
papers	citations	36 h-index	57 g-index

187	187	187	2365
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Application of dilatometric analysis to the study of solidâ€“solid phase transformations in steels. Materials Characterization, 2002, 48, 101-111.	1.9	212
2	Determination of Ms Temperature in Steels: A Bayesian Neural Network Model.. ISIJ International, 2002, 42, 894-902.	0.6	176
3	Dependence of martensite start temperature on fine austenite grain size. Scripta Materialia, 2008, 58, 134-137.	2.6	148
4	Redistribution of alloying elements during tempering of a nanocrystalline steel. Acta Materialia, 2008, 56, 188-199.	3.8	120
5	Influence of bainite morphology on impact toughness of continuously cooled cementite free bainitic steels. Materials Science and Technology, 2012, 28, 95-102.	0.8	114
6	Revealing austenite grain boundaries by thermal etching: advantages and disadvantages. Materials Characterization, 2002, 49, 121-127.	1.9	111
7	Metallographic techniques for the determination of the austenite grain size in medium-carbon microalloyed steels. Materials Characterization, 2001, 46, 389-398.	1.9	103
8	Manufacturing and Microstructural Evolution of Mechanuically Alloyed Oxide Dispersion Strengthened Superalloys. Advanced Engineering Materials, 2001, 3, 647.	1.6	102
9	Mathematical Modeling of Iron and Steel Making Processes. Modelling of Kinetics of Austenite Formation in Steels with Different Initial Microstructures.. ISIJ International, 2001, 41, 1093-1102.	0.6	95
10	Effects of Morphology and Stability of Retained Austenite on the Ductility of TRIP-aided Bainitic Steels. ISIJ International, 2008, 48, 1256-1262.	0.6	90
11	Design of Advanced Bainitic Steels by Optimisation of TTT Diagrams and T0 Curves. ISIJ International, 2006, 46, 1479-1488.	0.6	89
12	Toughness deterioration in advanced high strength bainitic steels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 525, 87-95.	2.6	87
13	Modelling of kinetics and dilatometric behavior of non-isothermal pearlite-to-austenite transformation in an eutectoid steel. Scripta Materialia, 1998, 39, 791-796.	2.6	86
14	Estimation of dislocation density in bainitic microstructures using high-resolution dilatometry. Scripta Materialia, 2009, 61, 855-858.	2.6	84
15	Phase separation in PM 2000â„¢ Fe-base ODS alloy: Experimental study at the atomic level. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 490, 277-288.	2.6	82
16	Mechanical stability of retained austenite during plastic deformation of super high strength carbide free bainitic steels. Journal of Materials Science, 2009, 44, 4617-4624.	1.7	79
17	An assessment of the contributing factors to the nanoscale structural refinement of advanced bainitic steels. Journal of Alloys and Compounds, 2013, 577, S43-S47.	2.8	79
18	Analysis of effect of alloying elements on martensite start temperature of steels. Materials Science and Technology, 2003, 19, 581-586.	0.8	70

#	Article	IF	Citations
19	Evolution of Microstructural Banding during the Manufacturing Process of Dual Phase Steels. Materials Transactions, 2006, 47, 2269-2276.	0.4	68
20	Phase separation kinetics in a Feâ€“Crâ€“Al alloy. Acta Materialia, 2012, 60, 4673-4684.	3.8	62
21	Acicular ferrite formation in a medium carbon steel with a two stage continuous cooling. Scripta Materialia, 1999, 41, 229-235.	2.6	60
22	Aluminum partitioning during phase separation in Feâ€“20%Crâ€“6%Al ODS alloy. Journal of Materials Science, 2008, 43, 3889-3893.	1.7	51
23	Strain heterogeneity and the production of coarse grains in mechanically alloyed iron-based PM2000 alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 316, 161-165.	2.6	47
24	Kinetics and dilatometric behaviour of non-isothermal ferriteâ€“austenite transformation. Materials Science and Technology, 2001, 17, 1114-1118.	0.8	46
25	Heterogeneous deformation and recrystallisation of iron base oxide dispersion strengthened PM2000 alloy. Materials Science and Technology, 2001, 17, 693-699.	0.8	44
26	Influence of pearlite morphology and heating rate on the kinetics of continuously heated austenite formation in a eutectoid steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2001, 32, 1283-1291.	1.1	44
27	Thermoelectric power studies on a martensitic stainless steel. Scripta Materialia, 2004, 50, 1061-1066.	2.6	44
28	Characterization and morphological analysis of pearlite in a eutectoid steel. Materials Characterization, 2000, 45, 111-116.	1.9	43
29	Evaluation of Displacive Models for Bainite Transformation Kinetics in Steels. Materials Transactions, 2006, 47, 1492-1500.	0.4	43
30	Influence of the Î±â€“Î±â€² phase separation on the tensile properties of Fe-base ODS PM 2000 alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 7931-7938.	2.6	43
31	Precipitation and grain growth modelling in Ti-Nb microalloyed steels. Materialia, 2019, 5, 100233.	1.3	42
32	Dilatometric characterization of pearlite dissolution in 0.1C-0.5Mn low carbon low manganese steel. Scripta Materialia, 1998, 38, 1835-1842.	2.6	41
33	Influence of V Precipitates on Acicular Ferrite Transformation Part 1: The Role of Nitrogen. ISIJ International, 2008, 48, 1270-1275.	0.6	41
34	Title is missing!. Journal of Materials Science, 2002, 37, 3533-3540.	1.7	40
35	Effect of heating rate on reaustenitisation of low carbon niobium microalloyed steel. Materials Science and Technology, 2008, 24, 266-272.	0.8	39
36	Influence of scale parameters of pearlite on the kinetics of anisothermal pearlite-to-austenite transformation in a eutectoid steel. Scripta Materialia, 2000, 42, 1159-1165.	2.6	38

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37	Modeling of the interlamellar spacing of isothermally formed pearlite in a eutectoid steel. Scripta Materialia, 2000, 42, 537-542.	2.6	35
38	Effect of Î±â€“Î±â€² phase separation on notch impact behavior of oxide dispersion strengthened (ODS) Fe20Cr5Al alloy. Materials & Design, 2014, 53, 1037-1046.	5.1	35
39	Grain Boundary Mobility in Fe-Base Oxide Dispersion Strengthened PM2000 Alloy. ISIJ International, 2003, 43, 777-783.	0.6	34
40	Neural network analysis of the influence of processing on strength and ductility of automotive low carbon sheet steels. Computational Materials Science, 2006, 38, 192-201.	1.4	34
41	Effect of Ausforming Temperature on the Microstructure of G91 Steel. Metals, 2017, 7, 236.	1.0	34
42	Effect of Prior Austenite Grain Size on Pearlite Transformation in a Hypoeuctectoid Fe-C-Mn Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 1778-1786.	1.1	33
43	New Model for the Overall Transformation Kinetics of Bainite. Part 1: the Model. Materials Transactions, 2006, 47, 2465-2472.	0.4	32
44	Effect of V and N Precipitation on Acicular Ferrite Formation in Sulfur-Lean Vanadium Steels. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2009, 40, 522-538.	1.1	32
45	The Role of Inclusions and Austenite Grain Size on Intragranular Nucleation of Ferrite in Medium Carbon Microalloyed Steels. Materials Transactions, 2004, 45, 2678-2685.	0.4	31
46	Comparison of the annealing behaviour between cold and warm rolled ELC steels by thermoelectric power measurements. Acta Materialia, 2007, 55, 2075-2083.	3.8	31
47	Development of hard intermetallic coatings on austenitic stainless steel by hot dipping in an Alâ€“Si alloy. Surface and Coatings Technology, 2009, 203, 2916-2920.	2.2	31
48	Lean alloys in PM: from design to sintering performance. Powder Metallurgy, 2012, 55, 294-301.	0.9	31
49	Importance of austenitization temperature and ausforming on creep strength in 9Cr ferritic/martensitic steel. Scripta Materialia, 2018, 153, 14-18.	2.6	30
50	Interpretation of a dilatometric anomaly previous to the ferrite-to-austenite transformation in a low carbon steel. Scripta Materialia, 2006, 54, 949-954.	2.6	29
51	Influence of recrystallization on phase separation kinetics of oxide dispersion strengthened Feâ€“Crâ€“Al alloy. Scripta Materialia, 2012, 66, 254-257.	2.6	29
52	Evaluation and review of simultaneous transformation model in high strength low alloy steels. Materials Science and Technology, 2002, 18, 534-540.	0.8	27
53	Advanced Ultrahigh Strength Bainitic Steels. Materials and Manufacturing Processes, 2007, 22, 502-506.	2.7	27
54	Artificial neural network modeling for the prediction of critical transformation temperatures in steels. Journal of Materials Science, 2007, 42, 5391-5397.	1.7	27

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55	Effect of residual stress on recrystallization behavior of mechanically alloyed steels. Scripta Materialia, 2010, 62, 41-44.	2.6	27
56	A molecular dynamics study of grain boundary free energies, migration mechanisms and mobilities in a bcc Feâ€“20Cr alloy. Acta Materialia, 2012, 60, 1116-1128.	3.8	27
57	Modelling of isothermal ferrite formation using an analytical treatment of soft impingement in 0.37Câ€“1.45Mnâ€“0.11V microalloyed steel. Scripta Materialia, 1998, 39, 853-859.	2.6	26
58	Austenite Grain Coarsening Under the Influence of Niobium Carbonitrides. Materials Transactions, 2004, 45, 2797-2804.	0.4	26
59	New approach for the bainite start temperature calculation in steels. Materials Science and Technology, 2005, 21, 934-940.	0.8	26
60	Morphological and crystallographic features of granular and lath-like bainite in a low carbon microalloyed steel. Materials Characterization, 2022, 184, 111703.	1.9	26
61	An Attempt to Establish the Variables That Most Directly Influence the Austenite Formation Process in Steels. ISIJ International, 2003, 43, 726-735.	0.6	25
62	Role of molybdenum in acicular ferrite formation under continuous cooling in a medium carbon microalloyed forging steel. Scripta Materialia, 2001, 45, 709-716.	2.6	24
63	Kinetics model of isothermal pearlite formation in a 0.4Câ€“1.6Mn steel. Acta Materialia, 2002, 50, 4629-4641.	3.8	23
64	The origin of splitting phenomena in the martensitic transformation of stainless steels. Scripta Materialia, 2003, 49, 315-320.	2.6	23
65	Determination of local carbon content in austenite during intercritical annealing of dual phase steels by PEELS analysis. Scripta Materialia, 2007, 57, 89-92.	2.6	23
66	Modeling of kinetics of austenite-to-allotriomorphic ferrite transformation in 0.37C-1.45Mn-0.11V microalloyed steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2001, 32, 661-669.	1.1	22
67	Modeling of kinetics of austenite-to-allotriomorphic ferrite transformation in 0.37C-1.45Mn-0.11V microalloyed steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2001, 32, 661-669.	1.1	22
68	Austenite retention in low Al/Si multiphase steels. Scripta Materialia, 2006, 55, 441-443.	2.6	22
69	Microstructural Degradation and Creep Fracture Behavior of Conventionally and Thermomechanically Treated 9% Chromium Heat Resistant Steel. Metals and Materials International, 2019, 25, 343-352.	1.8	22
70	Incubation time of isothermally transformed allotriomorphic ferrite in medium carbon steels. Scripta Materialia, 2001, 44, 129-134.	2.6	21
71	The role of C and Mn at the austenite/pearlite reaction front during non-steady-state pearlite growth in a Feâ€“Câ€“Mn steel. Scripta Materialia, 2015, 104, 67-70.	2.6	21
72	Carbon Clustering in Low-Temperature Bainite. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 5277-5287.	1.1	21

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73	Kinetic Transition during Ferrite Growth in Fe-C-Mn Medium Carbon Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 3719-3728.	1.1	20
74	Strengthening by intermetallic nanoprecipitation in Feâ€“Crâ€“Alâ€“Ti alloy. Acta Materialia, 2016, 107, 27-37.	3.8	20
75	Influence of Deformation on Recrystallization of an Yttrium Oxide Dispersion-Strengthened Iron Alloy (PM2000). Advanced Engineering Materials, 2003, 5, 232-237.	1.6	19
76	Precipitation of M23C6 carbides: thermoelectric power measurements. Scripta Materialia, 2005, 52, 501-505.	2.6	19
77	Advanced FeCrAl ODS steels for high-temperature structural applications in energy generation systems. Revista De Metalurgia, 2012, 48, 303-316.	0.1	19
78	Effect of V Precipitation on Continuously Cooled Sulfur-Lean Vanadium-Alloyed Steels for Long Products Applications. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 3743-3751.	1.1	18
79	Phase transformation theory: A powerful tool for the design of advanced steels. Jom, 2008, 60, 16-21.	0.9	17
80	On the delamination of FeCrAl ODS alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 515, 190-198.	2.6	17
81	Drag effects on grain growth dynamics. Computational Materials Science, 2013, 68, 95-106.	1.4	17
82	Notch Impact Behavior of Oxide-Dispersion-Strengthened (ODS) Fe20Cr5Al Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 4581-4594.	1.1	16
83	Effect of ausforming temperature on creep strength of G91 investigated by means of Small Punch Creep Tests. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 728, 259-265.	2.6	16
84	Isothermal allotriomorphic ferrite formation kinetics in a medium carbon vanadium-titanium microalloyed steel. Scripta Materialia, 2001, 44, 593-600.	2.6	15
85	Nano-precipitation Strengthened G91 by Thermo-mechanical Treatment Optimization. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 5344-5351.	1.1	15
86	Positron Annihilation Spectroscopy Study of Carbon-Vacancy Interaction in Low-Temperature Bainite. Scientific Reports, 2020, 10, 487.	1.6	15
87	Influence of Microalloying Elements on Recrystallization Texture of Warm-Rolled Interstitial Free Steels. Materials Transactions, 2010, 51, 625-634.	0.4	14
88	Effect of nanoscale precipitation on strengthening of ferritic ODS Feâ€“Crâ€“Al alloy. Materials Science and Technology, 2013, 29, 1179-1184.	0.8	14
89	High strength oxide dispersion strengthened steels: Fundamentals and applications. Materials Science and Technology, 2014, 30, 1655-1657.	0.8	14
90	Modeling of kinetics of isothermal idiomorphic ferrite formation in a medium-carbon vanadium-titanium microalloyed steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2001, 32, 1591-1597.	1.1	13

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91	Austenite Grain Size Effects on Isothermal Allotriomorphic Ferrite Formation in 0.37C-1.45Mn-0.11V Microalloyed Steel. Materials Transactions, 2003, 44, 1087-1095.	0.4	13
92	Recrystallization Process in Fe-Cr-Al Oxide Dispersion-Strengthened Alloy: Microstructural Evolution and Recrystallization Mechanism. Jom, 2014, 66, 780-792.	0.9	13
93	Role of Y-Al Oxides During Extended Recovery Process of a Ferritic ODS Alloy. Jom, 2015, 67, 2208-2215.	0.9	13
94	Comparison of Ductile-to-Brittle Transition Behavior in Two Similar Ferritic Oxide Dispersion Strengthened Alloys. Materials, 2016, 9, 637.	1.3	13
95	New Model for the Overall Transformation Kinetics of Bainite. Part 2: Validation. Materials Transactions, 2006, 47, 2473-2479.	0.4	12
96	Anisotropy in Mechanical Properties and Fracture Behavior of an Oxide Dispersion Fe20Cr5Al Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 3767-3780.	1.1	12
97	Influence of nanovoids on Î±â€“Î±â€² phase separation in FeCrAl oxide dispersion strengthened alloy. Scripta Materialia, 2016, 110, 53-56.	2.6	12
98	Effect of molybdenum on continuous cooling transformations in two medium carbon forging steels. Journal of Materials Science, 2001, 36, 565-571.	1.7	11
99	Neural Network Model for Isothermal Pearlite Transformation. Part I: Interlamellar Spacing. ISIJ International, 2005, 45, 229-237.	0.6	11
100	Assessment of factors influencing surface recrystallisation during high temperature exposure of fine-grained PM 2000 alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 471, 120-124.	2.6	11
101	Influence of V Precipitates on Acicular Ferrite Transformation Part 2: Transformation Kinetics. ISIJ International, 2008, 48, 1276-1279.	0.6	11
102	Global recrystallisation model of low carbon sheet steels with different cementite contents. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 519, 9-18.	2.6	11
103	Can Pearlite form Outside of the Hultgren Extrapolation of the Ae3 and Acm Phase Boundaries?. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 649-660.	1.1	11
104	Advanced vanadium alloyed steel for heavy product applications. Materials Science and Technology, 2009, 25, 1383-1386.	0.8	10
105	Toughness of Advanced High Strength Bainitic Steels. Materials Science Forum, 0, 638-642, 118-123.	0.3	10
106	Rapid fabrication and characterization of AISI 304 stainless steels modified with Cu additions by additive alloy melting (ADAM). Journal of Materials Research and Technology, 2018, 7, 450-460.	2.6	10
107	Direct observation of creep strengthening nanoprecipitate formation in ausformed ferritic/martensitic steels. Scripta Materialia, 2019, 164, 76-81.	2.6	10
108	Influence of Deformation and Molybdenum Content on Acicular Ferrite Formation in Medium Carbon Steels. ISIJ International, 2006, 46, 1093-1100.	0.6	10

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109	Proposal of an empirical formula for the austenitising temperature. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 386, 354-361.	2.6	9
110	Oxide coarsening and its influence on recrystallization in a mechanically alloyed Fe-base oxide-dispersion-strengthened alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2005, 36, 1547-1555.	1.1	9
111	Heterogeneous austenite grain growth in martensitic 9cr steel: Coupled influence of initial metallurgical state and heating rate. Materials Science and Technology, 2013, 29, 1254-1266.	0.8	9
112	Influence of Annealing at 1100Â°C and 475Â°C on the Mechanical Properties at Room Temperature of an Iron Base ODS Alloy. ISIJ International, 2007, 47, 1214-1220.	0.6	9
113	Role of strain heterogeneity on recrystallisation of oxide dispersion strengthened Feâ€“Crâ€“Al alloys for high-temperature applications. Journal of Materials Science, 2012, 47, 5605-5616.	1.7	8
114	The effect of the martensitic packet size on the machinability of modified AISI P20 prehardened mold steel. Journal of Materials Science, 2012, 47, 3613-3620.	1.7	8
115	Examining the multi-scale complexity and the crystallographic hierarchy of isothermally treated bainitic and martensitic structures. Materials Characterization, 2020, 160, 110127.	1.9	8
116	Design and Development of Complex Phase Steels with Improved Combination of Strength and Stretch-Flangeability. Metals, 2020, 10, 824.	1.0	8
117	Design and high temperature behavior of novel heat resistant steels strengthened by high density of stable nanoprecipitates. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 793, 139799.	2.6	8
118	Modelling of isothermal formation of pearlite and subsequent reaustenitisation in eutectoid steel during continuous heating. Materials Science and Technology, 2001, 17, 686-692.	0.8	7
119	Neural Network Model for Isothermal Pearlite Transformation. Part II: Growth Rate. ISIJ International, 2005, 45, 238-247.	0.6	7
120	Influence of Second Phase Particles on Recrystallisation of Cold-Rolled Low Carbon Microalloyed Steels during Isothermal Annealing. Materials Science Forum, 2005, 500-501, 803-0.	0.3	7
121	Relevant aspects of allotriomorphic and idiomorphic ferrite transformation kinetics. Materials Science and Technology, 2003, 19, 195-201.	0.8	6
122	Influence of processing parameters on the recrystallized microstructure of extra-low-carbon steels. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2006, 37, 2059-2068.	1.1	6
123	Diffusion simulation of Cr-Fe bcc systems at atomic level using a random walk algorithm. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 1337-1342.	0.8	6
124	Determination of hot and cold rolling textures of steels: Combined Bayesian neural network model. Materials Science and Technology, 2012, 28, 321-333.	0.8	6
125	ReverseÎ±â€“Î±Â´ phase separation in Fe-20Cr-6Al alloy. Philosophical Magazine, 2013, 93, 1640-1651.	0.7	6
126	A procedure for indirect and automatic measurement of prior austenite grain size in bainite/martensite microstructures. Journal of Materials Science, 2015, 50, 258-267.	1.7	6

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127	Effect of titanium on the allotriomorphic ferrite transformation kinetics in medium carbonâ€“manganese steels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2002, 328, 156-160.	2.6	5
128	Evaluation of the Austenitic Grain Growth by Thermoelectric Power Measurements. Materials Science Forum, 2004, 467-470, 863-868.	0.3	5
129	Neural network model for improvement of strengthâ€“ductility compromise in low carbon sheet steels. Materials Science and Technology, 2006, 22, 1163-1170.	0.8	5
130	Influence of Texture on Impact Toughness of Ferritic Fe-20Cr-5Al Oxide Dispersion Strengthened Steel. Materials, 2017, 10, 745.	1.3	5
131	Mathematical Modeling of Iron and Steel Making Processes. Modelling of Kinetics of Isothermal Allotriomorphic and Idiomorphic Ferrite Formation in Medium Carbon Vanadium-Titanium Microalloyed Steel.. ISIJ International, 2001, 41, 1083-1092.	0.6	4
132	Title is missing!. Journal of Materials Science Letters, 2001, 20, 1135-1137.	0.5	4
133	Discussion on the Rate Controlling Process of Coarsening of Niobium Carbonitrides in a Niobium Microalloyed Steel. Materials Science Forum, 2005, 500-501, 703-710.	0.3	4
134	Recrystallisation and dilatometric behaviour of low carbon and ultralow carbon steels. Materials Science and Technology, 2008, 24, 832-837.	0.8	4
135	Application of thermoelectric power measurements to the study of cold rolled austenitic stainless steels. Journal of Materials Science, 2009, 44, 4499-4502.	1.7	4
136	Examining the creep strengthening nanoprecipitation in novel highly reinforced heat resistant steels. Materials Characterization, 2021, 174, 110982.	1.9	4
137	AustenizaciÃ³n de aceros con microestructuras diferentes. Revista De Metalurgia, 2004, 40, 214-218.	0.1	4
138	Reply to comments on kinetics model of isothermal pearlite formation in a 0.4Câ€“1.6Mn steel. Scripta Materialia, 2004, 50, 175-177.	2.6	3
139	Simulation of V(CN) Precipitation in Steels Allowing for Local Concentration Fluctuations. Materials Transactions, 2006, 47, 2732-2736.	0.4	3
140	A New Approach on the Modelling of Isothermal Recrystallisation in Cold Rolled Ferritic Steels: An Application to Back-Annealing of Low Carbon Sheet Steels. Materials Transactions, 2008, 49, 2292-2297.	0.4	3
141	Influence of plastic deformation on recrystallized microstructure of Fe-base ods alloy. Metals and Materials International, 2012, 18, 799-804.	1.8	3
142	Nanoengineering in the modern steel industry. Materials Science and Technology, 2013, 29, 1149-1151.	0.8	3
143	Structural Steels. , 2016, , 3388-3409.		3
144	High-Chromium (9-12Cr) Steels: Creep Enhancement by Conventional Thermomechanical Treatments. , 0, , .		3

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145	Estudio dilatomÃ©trico de la descomposiciÃ³n anisotÃ©rmica de la perlita en un acero bajo en carbono (0,11 C-0,50 Mn). Revista De Metalurgia, 1998, 34, 243-248.	0.1	3
146	Assessing the implementation of machine learning models for thermal treatments design. Materials Science and Technology, 2021, 37, 1302-1310.	0.8	3
147	Effect of the Microalloying Elements on Nucleation and Growth Kinetics of Allotriomorphic Ferrite in Medium Carbon-Manganese Steels. Materials Science Forum, 1998, 284-286, 231-236.	0.3	2
148	Kinetics of Austenite Grain Growth during a Continuous Heating of a Niobium Microalloyed Steel. Materials Science Forum, 2004, 467-470, 929-934.	0.3	2
149	Influence of austenite grain size on overaging treatment of continuous annealed dual phase steels. Materials Science and Technology, 2007, 23, 671-676.	0.8	2
150	Heterogeneous austenite grain growth in ASTM A213 Grade T91 steels: Analysis of austenitic grain size distribution using kernel density estimation methodology. Materials Science and Technology, 2014, 30, 921-929.	0.8	2
151	Development of Simultaneous Corrosion Barrier and Optimized Microstructure in FeCrAl Heat-Resistant Alloy for Energy Applications. Part 1: The Protective Scale. Jom, 2015, 67, 2047-2054.	0.9	2
152	Development of Simultaneous Corrosion Barrier and Optimized Microstructure in FeCrAl Heat-Resistant Alloy for Energy Applications. Part II: The Optimized Creep-Resistant Microstructure. Jom, 2015, 67, 2055-2061.	0.9	2
153	On the Anisotropy of the Ductile to Brittle Transition Behavior in a Wrought and in Two Oxide Dispersion Strengthened FeCrAl Steels. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2019, 50, 625-640.	1.1	2
154	The Influence of Texture on the Ductile-to-Brittle Transition Behavior in Fe20Cr4.5Al Oxide Dispersion Strengthened Alloy. Metals, 2020, 10, 87.	1.0	2
155	Electrical Steels. , 2021, , 567-614.		2
156	Proposition of Two Parameters for a Good Characterisation of the Austenitising Condition of Microalloyed Steels. Materials Science Forum, 2003, 426-432, 1611-1618.	0.3	1
157	The Influence of Titanium and Vanadium on Isothermal Growth Kinetics of Allotriomorphic Ferrite in Medium Carbon Microalloyed Steels. Materials Transactions, 2003, 44, 220-225.	0.4	1
158	Modelling the Influence of Cementite on Static Recrystallisation in Cold-Rolled Low-Carbon Steels. Materials Science Forum, 2007, 550, 595-600.	0.3	1
159	Phase Separation in PM2000 Fe-Base ODS Alloy. Microscopy and Microanalysis, 2007, 13, .	0.2	1
160	Prediction of Bainite Intervened in Ferrite-Pearlite Forging Steel II. Experimental Evaluation. Materials Transactions, 2009, 50, 556-561.	0.4	1
161	Prediction of Bainite Intervened in Ferrite-Pearlite Forging Steel I. Modeling. Materials Transactions, 2009, 50, 551-555.	0.4	1
162	Neural networks modeling of phase transformations in steels. , 2012, , 464-503.		1

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163	Simultaneous Cr rich and Ti rich nanoprecipitation in ferritic steel designed for use in extreme environments of future energy generation systems. Materials Science and Technology, 2014, 30, 1079-1085.	0.8	1
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