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	Morphological and crystallographic features of granular and lath-like bainite in a low carbon microalloyed steel. Materials Characterization, 2022, 184, 111703.	1.9	26
2	Examining the creep strengthening nanoprecipitation in novel highly reinforced heat resistant steels. Materials Characterization, 2021, 174, 110982.	1.9	4
3	Stainless Steels. , 2021, , 459-566.		0
4	Nanostructured Steels. , 2021, , 327-387.		0
5	Electrical Steels. , 2021, , 567-614.		2
6	Assessing the implementation of machine learning models for thermal treatments design. Materials Science and Technology, 2021, 37, 1302-1310.	0.8	3
7	Examining the multi-scale complexity and the crystallographic hierarchy of isothermally treated bainitic and martensitic structures. Materials Characterization, 2020, 160, 110127.	1.9	8
8	Design and Development of Complex Phase Steels with Improved Combination of Strength and Stretch-Flangeability. Metals, 2020, 10, 824.	1.0	8
9	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
10	Positron Annihilation Spectroscopy Study of Carbon-Vacancy Interaction in Low-Temperature Bainite. Scientific Reports, 2020, 10, 487.	1.6	15
11	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
12	Precipitation and grain growth modelling in Ti-Nb microalloyed steels. Materialia, 2019, 5, 100233.	1.3	42
13	Direct observation of creep strengthening nanoprecipitate formation in ausformed ferritic/martensitic steels. Scripta Materialia, 2019, 164, 76-81.	2.6	10
14	Pearlite Transformation in a Deformed TRIP/TWIP Austenitic Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2019, 50, 35-41.	1.1	0
15	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
16	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
17	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
18	Importance of austenitization temperature and ausforming on creep strength in 9Cr ferritic/martensitic steel. Scripta Materialia, 2018, 153, 14-18.	2.6	30

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19	Effect of Extensive and Limited Plastic Deformation on Recrystallized Microstructure of Oxide Dispersion Strengthened Fe-Cr-Al Alloy. Metals, 2018, 8, 1052.	1.0	1
20	Effect of Ausforming on Creep Strength of G91 Heat-Resistant Steel. Materials Science Forum, 2018, 941, 400-406.	0.3	1
21	Carbon Clustering in Low-Temperature Bainite. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 5277-5287.	1.1	21
22	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
23	Influence of Texture on Impact Toughness of Ferritic Fe-20Cr-5Al Oxide Dispersion Strengthened Steel. Materials, 2017, 10, 745.	1.3	5
24	Effect of Ausforming Temperature on the Microstructure of G91 Steel. Metals, 2017, 7, 236.	1.0	34
25	Comparison of Ductile-to-Brittle Transition Behavior in Two Similar Ferritic Oxide Dispersion Strengthened Alloys. Materials, 2016, 9, 637.	1.3	13
26	The Non-Steady State Growth of Pearlite outside the Hultgren Extrapolation. Materials, 2016, 9, 998.	1.3	1
27	Martensite Start Temperature of Steel: Effect of the Alloying Elements. , 2016, , 1-9.		0
28	Structural Steels. , 2016, , 3388-3409.		3
29	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
30	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
31	Strengthening by intermetallic nanoprecipitation in Feâ€“Crâ€“Alâ€“Ti alloy. Acta Materialia, 2016, 107, 27-37.	3.8	20
32	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
33	Role of Y-Al Oxides During Extended Recovery Process of a Ferritic ODS Alloy. Jom, 2015, 67, 2208-2215.	0.9	13
34	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
35	Experimental and computational analysis of abnormal grain growth. Materials Science and Technology, 2015, 31, 1618-1626.	0.8	1
36	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

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37	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
38	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
39	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
40	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
41	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
42	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
43	Recrystallization Process in Fe-Cr-Al Oxide Dispersion-Strengthened Alloy: Microstructural Evolution and Recrystallization Mechanism. Jom, 2014, 66, 780-792.	0.9	13
44	High strength oxide dispersion strengthened steels: Fundamentals and applications. Materials Science and Technology, 2014, 30, 1655-1657.	0.8	14
45	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
46	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
47	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
48	Effect of nanoscale precipitation on strengthening of ferritic ODS Feâ€“Crâ€“Al alloy. Materials Science and Technology, 2013, 29, 1179-1184.	0.8	14
49	Drag effects on grain growth dynamics. Computational Materials Science, 2013, 68, 95-106.	1.4	17
50	ReverseÎ±â€“Î±Â´ phase separation in Fe-20Cr-6Al alloy. Philosophical Magazine, 2013, 93, 1640-1651.	0.7	6
51	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
52	Nanoengineering in the modern steel industry. Materials Science and Technology, 2013, 29, 1149-1151.	0.8	3
53	Neural networks modeling of phase transformations in steels. , 2012, , 464-503.		1
54	Lean alloys in PM: from design to sintering performance. Powder Metallurgy, 2012, 55, 294-301.	0.9	31

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55	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
56	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
57	Phase separation kinetics in a Feâ€“Crâ€“Al alloy. Acta Materialia, 2012, 60, 4673-4684.	3.8	62
58	Influence of plastic deformation on recrystallized microstructure of Fe-base ods alloy. Metals and Materials International, 2012, 18, 799-804.	1.8	3
59	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
60	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
61	Influence of recrystallization on phase separation kinetics of oxide dispersion strengthened Feâ€“Crâ€“Al alloy. Scripta Materialia, 2012, 66, 254-257.	2.6	29
62	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
63	Advanced FeCrAl ODS steels for high-temperature structural applications in energy generation systems. Revista De Metalurgia, 2012, 48, 303-316.	0.1	19
64	Estudio de los mecanismos de descomposiciÃ³n isotÃ©rmica de austenita en perlita en un acero 0,44C-0,73Mn. Revista De Metalurgia, 2012, 48, 132-146.	0.1	0
65	Influence of chemical composition and processing conditions on interstitial content of cold rolled ferritic steels. Materials Science and Technology, 2011, 27, 1143-1148.	0.8	0
66	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
67	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
68	Influence of Microalloying Elements on Recrystallization Texture of Warm-Rolled Interstitial Free Steels. Materials Transactions, 2010, 51, 625-634.	0.4	14
69	Effect of residual stress on recrystallization behavior of mechanically alloyed steels. Scripta Materialia, 2010, 62, 41-44.	2.6	27
70	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
71	Influence of Plastic Deformation on Recrystallized Microstructure of Fe-Base ODS Alloy. Materials Science Forum, 2010, 638-642, 2209-2214.	0.3	0
72	DiseÃ±o de redes neuronales con aprendizaje combinado de retropropagaciÃ³n y bÃºsqueda aleatoria progresiva aplicado a la determinaciÃ³n de austenita retenida en aceros TRIP. Revista De Metalurgia, 2010, 46, 499-510.	0.1	1

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73	Estimation of dislocation density in bainitic microstructures using high-resolution dilatometry. Scripta Materialia, 2009, 61, 855-858.	2.6	84
74	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
75	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
76	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
77	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
78	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
79	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
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	Advanced vanadium alloyed steel for heavy product applications. Materials Science and Technology, 2009, 25, 1383-1386.	0.8	10
82	Prediction of Bainite Intervened in Ferrite-Pearlite Forging Steel II. Experimental Evaluation. Materials Transactions, 2009, 50, 556-561.	0.4	1
83	Prediction of Bainite Intervened in Ferrite-Pearlite Forging Steel I. Modeling. Materials Transactions, 2009, 50, 551-555.	0.4	1
84	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
85	Aluminum partitioning during phase separation in Feâ€“20%Crâ€“6%Al ODS alloy. Journal of Materials Science, 2008, 43, 3889-3893.	1.7	51
86	Phase transformation theory: A powerful tool for the design of advanced steels. Jom, 2008, 60, 16-21.	0.9	17
87	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
88	Redistribution of alloying elements during tempering of a nanocrystalline steel. Acta Materialia, 2008, 56, 188-199.	3.8	120
89	Dependence of martensite start temperature on fine austenite grain size. Scripta Materialia, 2008, 58, 134-137.	2.6	148
90	Recrystallisation and dilatometric behaviour of low carbon and ultralow carbon steels. Materials Science and Technology, 2008, 24, 832-837.	0.8	4

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91	Effect of heating rate on reaustenitisation of low carbon niobium microalloyed steel. Materials Science and Technology, 2008, 24, 266-272.	0.8	39
92	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
93	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
94	Influence of V Precipitates on Acicular Ferrite Transformation Part 2: Transformation Kinetics. ISIJ International, 2008, 48, 1276-1279.	0.6	11
95	Influence of V Precipitates on Acicular Ferrite Transformation Part 1: The Role of Nitrogen. ISIJ International, 2008, 48, 1270-1275.	0.6	41
96	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
97	Modelling the Influence of Cementite on Static Recrystallisation in Cold-Rolled Low-Carbon Steels. Materials Science Forum, 2007, 550, 595-600.	0.3	1
98	Phase Transformation Modeling of Medium-Carbon Forging Steel. Materials Science Forum, 2007, 539-543, 2443-2448.	0.3	0
99	Advanced Ultrahigh Strength Bainitic Steels. Materials and Manufacturing Processes, 2007, 22, 502-506.	2.7	27
100	Phase Separation in PM2000 Fe-Base ODS Alloy. Microscopy and Microanalysis, 2007, 13, .	0.2	1
101	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
102	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
103	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
104	Artificial neural network modeling for the prediction of critical transformation temperatures in steels. Journal of Materials Science, 2007, 42, 5391-5397.	1.7	27
105	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
106	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
107	Design of Advanced Bainitic Steels by Optimisation of TTT Diagrams and T0 Curves. ISIJ International, 2006, 46, 1479-1488.	0.6	89
108	Simulation of V(CN) Precipitation in Steels Allowing for Local Concentration Fluctuations. Materials Transactions, 2006, 47, 2732-2736.	0.4	3

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109	Evolution of Microstructural Banding during the Manufacturing Process of Dual Phase Steels. Materials Transactions, 2006, 47, 2269-2276.	0.4	68
110	Evaluation of Displacive Models for Bainite Transformation Kinetics in Steels. Materials Transactions, 2006, 47, 1492-1500.	0.4	43
111	New Model for the Overall Transformation Kinetics of Bainite. Part 1: the Model. Materials Transactions, 2006, 47, 2465-2472.	0.4	32
112	New Model for the Overall Transformation Kinetics of Bainite. Part 2: Validation. Materials Transactions, 2006, 47, 2473-2479.	0.4	12
113	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
114	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
115	Austenite retention in low Al/Si multiphase steels. Scripta Materialia, 2006, 55, 441-443.	2.6	22
116	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
117	Influence of Deformation and Molybdenum Content on Acicular Ferrite Formation in Medium Carbon Steels. ISIJ International, 2006, 46, 1093-1100.	0.6	10
118	Study and modelling of the influence of second phase particles on the austenite grain growth in a niobium microalloyed steel. Revista De Metalurgia, 2006, 42, .	0.1	1
119	Precipitation of M23C6 carbides: thermoelectric power measurements. Scripta Materialia, 2005, 52, 501-505.	2.6	19
120	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
121	Neural Network Model for Isothermal Pearlite Transformation. Part I: Interlamellar Spacing. ISIJ International, 2005, 45, 229-237.	0.6	11
122	Neural Network Model for Isothermal Pearlite Transformation. Part II: Growth Rate. ISIJ International, 2005, 45, 238-247.	0.6	7
123	New approach for the bainite start temperature calculation in steels. Materials Science and Technology, 2005, 21, 934-940.	0.8	26
124	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
125	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
126	Evaluation of the Austenitic Grain Growth by Thermoelectric Power Measurements. Materials Science Forum, 2004, 467-470, 863-868.	0.3	5

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127	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
128	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
129	Thermoelectric power studies on a martensitic stainless steel. Scripta Materialia, 2004, 50, 1061-1066.	2.6	44
130	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
131	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
132	Austenite Grain Coarsening Under the Influence of Niobium Carbonitrides. Materials Transactions, 2004, 45, 2797-2804.	0.4	26
133	AustenizaciÃ³n de aceros con microestructuras diferentes. Revista De Metalurgia, 2004, 40, 214-218.	0.1	4
134	The origin of splitting phenomena in the martensitic transformation of stainless steels. Scripta Materialia, 2003, 49, 315-320.	2.6	23
135	Influence of Deformation on Recrystallization of an Yttrium Oxide Dispersion-Strengthened Iron Alloy (PM2000). Advanced Engineering Materials, 2003, 5, 232-237.	1.6	19
136	Analysis of effect of alloying elements on martensite start temperature of steels. Materials Science and Technology, 2003, 19, 581-586.	0.8	70
137	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
138	Relevant aspects of allotriomorphic and idiomorphic ferrite transformation kinetics. Materials Science and Technology, 2003, 19, 195-201.	0.8	6
139	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
140	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
141	Grain Boundary Mobility in Fe-Base Oxide Dispersion Strengthened PM2000 Alloy. ISIJ International, 2003, 43, 777-783.	0.6	34
142	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
143	Prediction of martensite start temperature by neural network analysis. European Physical Journal Special Topics, 2003, 112, 217-221.	0.2	0
144	Evaluation and review of simultaneous transformation model in high strength low alloy steels. Materials Science and Technology, 2002, 18, 534-540.	0.8	27

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145	Determination of Ms Temperature in Steels: A Bayesian Neural Network Model.. ISIJ International, 2002, 42, 894-902.	0.6	176
146	Application of dilatometric analysis to the study of solidâ€“solid phase transformations in steels. Materials Characterization, 2002, 48, 101-111.	1.9	212
147	Revealing austenite grain boundaries by thermal etching: advantages and disadvantages. Materials Characterization, 2002, 49, 121-127.	1.9	111
148	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
149	Kinetics model of isothermal pearlite formation in a 0.4Câ€“1.6Mn steel. Acta Materialia, 2002, 50, 4629-4641.	3.8	23
150	Title is missing!. Journal of Materials Science, 2002, 37, 3533-3540.	1.7	40
151	ModelizaciÃ³n de la formaciÃ³n isotÃ©rmica de ferrita idiomÃ³rfica en aceros de medio carbono microaleados con vanadio-titanio. Revista De Metalurgia, 2002, 38, 183-194.	0.1	0
152	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
153	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
154	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
155	Heterogeneous deformation and recrystallisation of iron base oxide dispersion strengthened PM2000 alloy. Materials Science and Technology, 2001, 17, 693-699.	0.8	44
156	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
157	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
158	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
159	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
160	Manufacturing and Microstructural Evolution of Mechanuically Alloyed Oxide Dispersion Strengthened Superalloys. Advanced Engineering Materials, 2001, 3, 647.	1.6	102
161	Title is missing!. Metallurgist, 2001, 45, 72-78.	0.2	0
162	Title is missing!. Journal of Materials Science Letters, 2001, 20, 1135-1137.	0.5	4

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163	Effect of molybdenum on continuous cooling transformations in two medium carbon forging steels. Journal of Materials Science, 2001, 36, 565-571.	1.7	11
164	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
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166	Incubation time of isothermally transformed allotriomorphic ferrite in medium carbon steels. Scripta Materialia, 2001, 44, 129-134.	2.6	21
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