

Jose Maria Cabrera Marrero

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#	Paper	IF	Citations
211	High temperature deformation of Inconel 718. <i>Journal of Materials Processing Technology</i> , 2006 , 177, 469-472	5.3	289
210	Constitutive relationships for hot deformation of austenite. <i>Acta Materialia</i> , 2011 , 59, 6441-6448	8.4	201
209	Hot deformation behavior of a medium carbon microalloyed steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 3876-3882	5.3	199
208	EBSD study of a hot deformed austenitic stainless steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 538, 236-245	5.3	163
207	Microstructures and mechanical properties of pure copper deformed severely by equal-channel angular pressing and high pressure torsion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 477, 366-371	5.3	147
206	Effect of initial grain size on dynamic recrystallization in high purity austenitic stainless steels. <i>Acta Materialia</i> , 2005 , 53, 4605-4612	8.4	130
205	Hot working of two AISI 304 steels: a comparative study. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003 , 343, 116-125	5.3	121
204	Hot deformation behavior, dynamic recrystallization, and physically-based constitutive modeling of plain carbon steels. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 636, 196-202	5.3	119
203	Dynamic recrystallization mechanisms and twinning evolution during hot deformation of Inconel 718. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 678, 137-152	5.3	108
202	A simple constitutive model for predicting flow stress of medium carbon microalloyed steel during hot deformation. <i>Materials & Design</i> , 2015 , 77, 126-131		86
201	Modeling and Prediction of Hot Deformation Flow Curves. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012 , 43, 108-123	2.3	83
200	Mechanical, microstructural and electrical evolution of commercially pure copper processed by equal channel angular extrusion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 571, 103-114	5.3	82
199	Hot deformation of duplex stainless steels. <i>Journal of Materials Processing Technology</i> , 2003 , 143-144, 321-325	5.3	80
198	Printed circuit boards: a review on the perspective of sustainability. <i>Journal of Environmental Management</i> , 2013 , 131, 298-306	7.9	73
197	Dynamic recovery and dynamic recrystallization competition on a Nb- and N-bearing austenitic stainless steel biomaterial: Influence of strain rate and temperature. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 582, 96-107	5.3	72
196	Thermal stability of ultrafine grains size of pure copper obtained by equal-channel angular pressing. <i>Journal of Materials Science</i> , 2010 , 45, 2264-2273	4.3	68
195	Determination of the critical conditions for the initiation of dynamic recrystallization in boron microalloyed steels. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 4133-4140	5.3	64

194	Microstructural evolution and constitutive equations of Inconel 718 alloy under quasi-static and quasi-dynamic conditions. <i>Materials and Design</i> , 2016 , 94, 28-38	8.1	61
193	Hot ductility behavior of boron microalloyed steels. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 460-461, 464-470	5.3	56
192	Hot ductility behavior of high-Mn austenitic Fe ₂₂ Mn _{0.5} Al _{0.5} Si _{0.45} C TWIP steels microalloyed with Ti and V. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 611, 77-89	5.3	54
191	Hot deformation activation energy (QHW) of austenitic Fe ₂₂ Mn _{0.5} Al _{0.5} Si _{0.4} C TWIP steels microalloyed with Nb, V, and Ti. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 562, 46-52	5.3	53
190	Effect of microalloying elements (Nb, V and Ti) on the hot flow behavior of high-Mn austenitic twinning induced plasticity (TWIP) steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 560, 552-560	5.3	53
189	A simple Zerilli-Armstrong constitutive equation for modeling and prediction of hot deformation flow stress of steels. <i>Mechanics of Materials</i> , 2016 , 94, 38-45	3.3	52
188	ZK60 alloy processed by ECAP: Microstructural, physical and mechanical characterization. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 594, 32-39	5.3	51
187	Hot ductility behavior of a low carbon advanced high strength steel (AHSS) microalloyed with boron. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 4468-4474	5.3	51
186	Shear banding phenomenon during severe plastic deformation of an AZ31 magnesium alloy. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 3806-3810	5.7	50
185	The effect of changing chemical composition on dissimilar Mg/Al friction stir welded butt joints using zinc interlayer. <i>Journal of Manufacturing Processes</i> , 2018 , 34, 18-30	5	50
184	Hot flow behavior of boron microalloyed steels. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 480, 49-55	5.3	46
183	Macro-Micro Modeling of the Dendritic Microstructure of Steel Billets Processed by Continuous Casting.. <i>ISIJ International</i> , 1998 , 38, 812-821	1.7	43
182	Effect of Nb and Mo on the hot ductility behavior of a high-manganese austenitic Fe ₂₁ Mn _{0.3} Al _{0.5} Si _{0.5} C TWIP steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 616, 229-239	5.3	42
181	In-situ nanocomposite in friction stir welding of 6061-T6 aluminum alloy to AZ31 magnesium alloy. <i>Journal of Materials Processing Technology</i> , 2019 , 263, 296-307	5.3	40
180	High-temperature deformation of delta-processed Inconel 718. <i>Journal of Materials Processing Technology</i> , 2018 , 255, 204-211	5.3	39
179	Flow behaviour of medium carbon microalloyed steel under hot working conditions. <i>Materials Science and Technology</i> , 1996 , 12, 579-585	1.5	35
178	EBSD study of purity effects during hot working in austenitic stainless steels. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005 , 393, 83-90	5.3	34
177	Mechanical behavior and microstructure properties of titanium powder consolidated by high-pressure torsion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 688, 498-504	5.3	33

176	Microstructure and mechanical properties of a commercially pure Ti processed by warm equal channel angular pressing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 625, 311-320	5.3	33
175	Comparison of the electro-optic coefficient r_{33} in well-defined phases of proton exchanged LiNbO ₃ waveguides. <i>Applied Physics B: Lasers and Optics</i> , 2001 , 73, 485-488	1.9	31
174	Texture and fatigue behavior of ultrafine grained copper produced by ECAP. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 609, 273-282	5.3	30
173	Effect of Ti and B microadditions on the hot ductility behavior of a High-Mn austenitic Fe _{0.3} Mn _{0.5} Al _{0.3} Si _{0.5} C TWIP steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 648, 311-329	5.3	28
172	Analysis of the micro and substructural evolution during severe plastic deformation of ARMCO iron and consequences in mechanical properties. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 740-741, 108-120	5.3	28
171	High-pressure torsion of iron with various purity levels and validation of Hall-Petch strengthening mechanism. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 743, 597-605	5.3	27
170	Evaluation of the Hot Ductility of a C–Mn Steel Produced from Scrap Recycling. <i>ISIJ International</i> , 2007 , 47, 1518-1526	1.7	26
169	Abnormal grain growth in a medium-carbon microalloyed steel. <i>Journal of Materials Science</i> , 1996 , 31, 1303-1309	4.3	26
168	Modeling thermomechanical processing of austenite. <i>Journal of Materials Processing Technology</i> , 2003 , 143-144, 403-409	5.3	25
167	Optical damage inhibition and thresholding effects in lithium niobate above room temperature. <i>Optics Communications</i> , 2000 , 178, 211-216	2	25
166	Precipitation and grain growth modelling in Ti-Nb microalloyed steels. <i>Materialia</i> , 2019 , 5, 100233	3.2	24
165	Wear resistance and electroconductivity in a Cu _{0.3} Cr _{0.5} Zr alloy processed by ECAP. <i>Journal of Materials Science</i> , 2017 , 52, 305-313	4.3	24
164	Microstructure and strengthening mechanisms in an Al-Mg-Si alloy processed by equal channel angular pressing (ECAP). <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 95, 1165-1177	3.2	24
163	Microstructural and mechanical study in the plastic zone of ARMCO iron processed by ECAP. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 697, 24-36	5.3	23
162	Modeling the hot flow behavior of a Fe _{0.2} Mn _{0.4} Cr _{0.6} Al _{0.4} Si TWIP steel microalloyed with Ti, V and Nb. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 644, 374-385	5.3	21
161	Interaction between recrystallization and strain-induced precipitation in a high Nb- and N-bearing austenitic stainless steel: Influence of the interpass time. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 637, 189-200	5.3	21
160	Characterization of Strain-Induced Precipitation in Inconel 718 Superalloy. <i>Journal of Materials Engineering and Performance</i> , 2016 , 25, 3409-3417	1.6	20
159	Characterization of the hot deformation in a microalloyed medium carbon steel using processing maps. <i>Scripta Materialia</i> , 1996 , 34, 1303-1308	5.6	20

158	EBSD characterization of repetitive grain refinement in AZ31 magnesium alloy. <i>Materials Chemistry and Physics</i> , 2015 , 149-150, 339-343	4.4	19
157	Analysis of microstructure and strengthening in CuMg alloys deformed by equal channel angular pressing. <i>Journal of Alloys and Compounds</i> , 2015 , 626, 340-348	5.7	19
156	Modeling of the hot flow behavior of advanced ultra-high strength steels (A-UHSS) microalloyed with boron. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 610, 116-125	5.3	18
155	Laser assisted conical spin forming of dual phase automotive steel. Experimental demonstration of work hardening reduction and forming limit extension. <i>Physics Procedia</i> , 2010 , 5, 215-225		18
154	Modeling of the hot deformation behavior of boron microalloyed steels under uniaxial hot-compression conditions. <i>International Journal of Materials Research</i> , 2008 , 99, 1336-1345	0.5	18
153	Effect of carbon content on plastic flow behaviour of plain carbon steels at elevated temperature. <i>Materials Science and Technology</i> , 2003 , 19, 1137-1147	1.5	17
152	Softening and hardening of ECAP nickel under ultrasonic treatment. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 698, 136-142	5.3	15
151	Structure and microstructure evolution of AlMgSi alloy processed by equal-channel angular pressing. <i>International Journal of Advanced Manufacturing Technology</i> , 2017 , 92, 1731-1740	3.2	15
150	Strain rate sensitivity of nanocrystalline and ultrafine-grained steel obtained by mechanical attrition. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 485, 325-333	5.3	15
149	Light-induced damage mechanisms in μ phase proton-exchanged LiNbO ₃ waveguides. <i>Applied Physics B: Lasers and Optics</i> , 1999 , 68, 989-993	1.9	15
148	Modification of As-cast Al-Mg/B4C composite by addition of Zr. <i>Journal of Alloys and Compounds</i> , 2016 , 685, 70-77	5.7	15
147	Effect of Boron on the Hot Ductility Behavior of a Low Carbon Advanced Ultra-High Strength Steel (A-UHSS). <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2013 , 44, 5165-5176	2.3	14
146	Effect of strain on recrystallisation-precipitation interaction in low vanadium microalloyed steel. <i>Materials Science and Technology</i> , 1999 , 15, 635-642	1.5	14
145	Equal channel angular pressing of a TWIP steel: microstructure and mechanical response. <i>Journal of Materials Science</i> , 2017 , 52, 6291-6309	4.3	13
144	High cycle fatigue of ARMCO iron severely deformed by ECAP. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 681, 85-96	5.3	13
143	Hot working analysis of a CuZn40Pb2 brass on the monophasic (α) and intercritical (α/β) regions. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 627, 42-50	5.3	13
142	Effect of the Chemical Composition on the Peak and Steady Stresses of Plain Carbon and Microalloyed Steels Deformed under Hot Working Conditions. <i>Materials Science Forum</i> , 1998 , 284-286, 127-134	0.4	13
141	Dynamic deformation response of Al-Mg and Al-Mg/B4C composite at elevated temperatures. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018 , 712, 645-654	5.3	13

140	An investigation of the thermal stability of an Mg Dy alloy after processing by high-pressure torsion. <i>Materials Characterization</i> , 2019 , 151, 519-529	3.9	12
139	The origin of microstructure inhomogeneity in Mg ₃ Al ₂ Zn processed by severe plastic deformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 551, 128-132	5.3	12
138	Effect of V on Hot Deformation Characteristics of TWIP Steels. <i>Steel Research International</i> , 2012 , 83, 334-339	1.6	12
137	Critical Strain for Dynamic Recrystallisation. The Particular Case of Steels. <i>Metals</i> , 2020 , 10, 135	2.3	12
136	FE thermo-mechanical simulation of welding residual stresses and distortion in Ti-containing TWIP steel through GTAW process. <i>Journal of Manufacturing Processes</i> , 2020 , 59, 801-815	5	12
135	Microstructural investigation of Al-Mg/B ₄ C composite deformed at elevated temperature. <i>Journal of Alloys and Compounds</i> , 2018 , 763, 643-651	5.7	12
134	The effect of oxide particles on the strength and ductility of bulk iron with a bimodal grain size distribution. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 627, 205-216	5.3	11
133	Thermal stability of ARMCO iron processed by ECAP. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 98, 2917-2932	3.2	11
132	Effect of the thermal cycle on the hot ductility and fracture mechanisms of a C-Mn steel. <i>Engineering Failure Analysis</i> , 2007 , 14, 374-383	3.2	11
131	Role of Cu ₂ O during hot compression of 99.9% pure copper. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 488, 92-101	5.3	11
130	An inverse analysis of the hot uniaxial compression test by means of the finite element method. <i>Steel Research = Archiv Für Das Eisenhüttenwesen</i> , 1999 , 70, 59-66		11
129	On the hot working of FeSi ferritic steels. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 606, 127-138	5.3	10
128	Numerical and experimental study of a 5754-aluminum alloy processed by heterogeneous repetitive corrugation and straightening. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 1941-1947	5.5	10
127	Microstructure, Texture, and Tensile Properties of Ultrafine/Nano-Grained Magnesium Alloy Processed by Accumulative Back Extrusion. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2017 , 48, 2563-2573	2.3	9
126	Influence of boron content on the fracture toughness and fatigue crack propagation kinetics of bainitic steels. <i>Theoretical and Applied Fracture Mechanics</i> , 2016 , 86, 351-360	3.7	9
125	Influence of the carbon content on the strain rate sensitivity of nanocrystalline steels. <i>Scripta Materialia</i> , 2008 , 59, 631-634	5.6	9
124	Grain Refinement of Pure Copper by ECAP. <i>Materials Science Forum</i> , 2008 , 584-586, 393-398	0.4	9
123	Aplicación de los mapas de procesado en la optimización de los parámetros de un proceso de conformado en caliente. Il parte. Mapas de procesado de un acero microaleado con un contenido medio de carbono. <i>Revista De Metalurgia</i> , 1997 , 33, 153-160	0.4	9

122	Ductility and plasticity of ferritic-pearlitic steel after severe plastic deformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021 , 805, 140624	5.3	9
121	Twin-Induced Plasticity of an ECAP-Processed TWIP Steel. <i>Journal of Materials Engineering and Performance</i> , 2017 , 26, 554-562	1.6	8
120	Duplex and Superduplex Stainless Steels: Microstructure and Property Evolution by Surface Modification Processes. <i>Metals</i> , 2019 , 9, 347	2.3	8
119	Microstructural Evolution and Mechanical Behavior of an Al-6061 Alloy Processed by Repetitive Corrugation and Straightening. <i>Metals</i> , 2020 , 10, 489	2.3	8
118	Microstructure influencing physical and mechanical properties of electrolytic tough pitch copper produced by equal channel angular pressing. <i>Mechanics of Materials</i> , 2013 , 67, 9-14	3.3	8
117	Effect of clustering of precipitates on grain growth. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2004 , 35, 1097-1103	2.3	8
116	EBSD Study of Delta-Processed Ni-Based Superalloy. <i>Metals</i> , 2020 , 10, 1466	2.3	8
115	Dynamic Recrystallization Behavior of AISI 422 Stainless Steel During Hot Deformation Processes. <i>Journal of Materials Engineering and Performance</i> , 2018 , 27, 560-571	1.6	7
114	Stress-strain response and microstructural evolution of a FeMnCuAl TWIP steel during tension-compression tests. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 655, 310-320	5.3	7
113	Texture and Lattice Distortion Study of an Al-6061-T6 Alloy Produced by ECAP. <i>Materials Transactions</i> , 2015 , 56, 1781-1786	1.3	7
112	Predicting Multiple Peak Dynamic Recrystallization of Copper. <i>Materials Science Forum</i> , 2004 , 467-470, 1181-1186	0.4	7
111	Structural evaluation and mechanical properties of AZ31/SiC nano-composite produced by friction stir welding process at various welding speeds. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2019 , 233, 831-841	1.3	7
110	Thermomechanical controlled processing to achieve very fine grains in the ISO 5832-9 austenitic stainless steel biomaterial. <i>Materials Characterization</i> , 2017 , 127, 153-160	3.9	6
109	Residual stresses and microstructural evolution of ECAPed AA2017. <i>Materials Characterization</i> , 2019 , 152, 44-57	3.9	6
108	Prediction of Generation of High- and Low-Angle Grain Boundaries (HAGB and LAGB) During Severe Plastic Deformation. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020 , 51, 4674-4684	2.3	6
107	Equal Channel Angular Pressing of Cu-Al Bimetallic Rod. <i>Materials Science Forum</i> , 2012 , 706-709, 1811-1816	1.6	6
106	Texture analysis in ultrafine grained coppers processed by equal channel angular pressing. <i>Materials Research</i> , 2013 , 16, 619-624	1.5	6
105	Tensile and compressive test in nanocrystalline and ultrafine carbon steel. <i>Journal of Materials Science</i> , 2010 , 45, 4796-4804	4.3	6

104	Effect of initial microstructure, frequency and temperature on the low cycle fatigue behaviour of the soldering alloys 96.5Sn3.5Ag and 63Sn37Pb. <i>Engineering Failure Analysis</i> , 2008 , 15, 220-228	3.2	6
103	Effects of Precipitation during Dynamic Recrystallization of Copper with Different Oxygen Levels. <i>Materials Science Forum</i> , 2007 , 558-559, 511-516	0.4	6
102	Characterization of LiNbO3 waveguides fabricated by proton exchange in water. <i>Applied Physics A: Materials Science and Processing</i> , 2005 , 81, 205-208	2.6	6
101	Texture evolution of experimental silicon steel grades. Part I: Hot rolling. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 429, 367-371	2.8	5
100	Consolidation of AA 7075-2 wt% ZrO2 Composite Powders by Severe Plastic Deformation via ECAP. <i>Acta Metallurgica Sinica (English Letters)</i> , 2016 , 29, 895-901	2.5	5
99	Residual stress distribution of a 6061-T6 aluminum alloy under shear deformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 670, 227-232	5.3	5
98	Microstructural evolution and mechanical response of nanocrystalline and ultrafine-grained steel obtained by mechanical milling. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 493, 215-220	5.3	5
97	Photorefractive fixing phenomena in alpha-phase proton-exchanged LiNbO3 waveguides. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2005 , 22, 2229	1.7	5
96	Electro-Optic Behaviour of Reverse Proton Exchanged LiNbO3 Waveguides. <i>Physica Status Solidi A</i> , 2002 , 193, R7-R9		5
95	Effect of rare-earth metals on the hot strength of HSLA steels. <i>International Journal of Materials Research</i> , 2002 , 93, 1132-1139		5
94	Influence of severe plastic deformation in phase transformation of superduplex stainless steels. <i>Journal of Materials Science</i> , 2019 , 54, 2648-2657	4.3	5
93	High temperature cyclic oxidation behavior of a low manganese Fe12Mn9Cr5Si4Ni-NbC shape memory stainless steels. <i>Journal of Alloys and Compounds</i> , 2021 , 857, 158198	5.7	5
92	Manganese Effect on Q&P CMnSi Steels. <i>Materials Science Forum</i> , 2016 , 879, 430-435	0.4	4
91	Novel Method of Severe Plastic Deformation - Continuous Closed Die Forging: CP Aluminum Case Study. <i>Defect and Diffusion Forum</i> , 2018 , 385, 302-307	0.7	4
90	Characterization of Precipitation Kinetics of Inconel 718 Superalloy by the Stress Relaxation Technique. <i>Materials Science Forum</i> , 2012 , 706-709, 2393-2399	0.4	4
89	Study of the Plastic Deformation in Nanocrystalline and Ultrafine Iron and Carbon Steels. <i>Materials Science Forum</i> , 2008 , 584-586, 617-622	0.4	4
88	Mechanical response of nanocrystalline steel obtained by mechanical attrition. <i>Journal of Materials Science</i> , 2007 , 42, 1757-1764	4.3	4
87	A Model for Multi Peak Dynamic Recrystallization in Copper. <i>Materials Science Forum</i> , 2007 , 550, 565-570.	0.4	4

86	Modeling the Hot Flow Stress of Commercial Purity Coppers with Different Oxygen Levels. <i>Materials Science Forum</i> , 2003 , 426-432, 3921-3926	0.4	4
85	Simulaci3n de la fluencia en caliente de un acero microaleado con un contenido medio de carbono. III parte. Ecuaciones constitutivas. <i>Revista De Metalurgia</i> , 1997 , 33, 215-228	0.4	4
84	Analysis of strain-induced precipitates by delta-processing in Inconel 718 superalloy. <i>Materials Characterization</i> , 2021 , 173, 110926	3.9	4
83	Characterization of the Gas Tungsten Arc Welding (GTAW) joint of Armco iron nanostructured by Equal-Channel Angular Pressing (ECAP). <i>Journal of Materials Processing Technology</i> , 2021 , 288, 116902	5.3	4
82	Strain-Hardening Behavior in an AA6060-T6 Alloy Processed by Equal Channel Angular Pressing. <i>Advanced Engineering Materials</i> , 2021 , 23, 2000730	3.5	4
81	High-Temperature Deformation of Inconel 718PlusTM. <i>Journal of Engineering for Gas Turbines and Power</i> , 2017 , 139,	1.7	3
80	Softening-precipitation interaction in a Nb-and N-bearing austenitic stainless steel under stress relaxation. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 7807-7816	5.5	3
79	Nucleation and Growth of Precipitates in a V-Microalloyed Steel According to Physical Theory and Experimental Results. <i>Physics of Metals and Metallography</i> , 2020 , 121, 32-40	1.2	3
78	Design and Development of Complex Phase Steels with Improved Combination of Strength and Stretch-Flangeability. <i>Metals</i> , 2020 , 10, 824	2.3	3
77	Study of the Thermochemical Surface Treatment Effect on the Phase Precipitation and Degradation Behaviour of DSS and SDSS. <i>Materials</i> , 2020 , 13,	3.5	3
76	Formability of the 5754-Aluminum Alloy Deformed by a Modified Repetitive Corrugation and Straightening Process. <i>Materials</i> , 2020 , 13,	3.5	3
75	Enhancing Ductility of ECAP Processed Metals. <i>Materials Science Forum</i> , 2010 , 654-656, 1219-1222	0.4	3
74	On the Onset of Dynamic Recrystallization in Steels. <i>Advanced Materials Research</i> , 2011 , 409, 431-436	0.5	3
73	Thermal Stability and Microstructural Behavior of ECAP Processed Copper 2011 ,		3
72	Effect of boron on the continuous cooling transformation kinetics in a low carbon advanced ultra-high strength steel (A-UHSS). <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1485, 83-88		3
71	Influence of carbon content on high temperature response of plain carbon steels. <i>Ironmaking and Steelmaking</i> , 2005 , 32, 309-313	1.3	3
70	Dark developing of photorefractive proton-exchanged LiNbO3 waveguides. <i>Optical Materials</i> , 2001 , 18, 111-114	3.3	3
69	Modelling the Hot Working of Simple Geometries Employing Physical-Based Constitutive Equations and the Finite Element Method. <i>Materials Science Forum</i> , 1998 , 284-286, 369-376	0.4	3

68	Effect of Processing Conditions on the Microstructure, Mechanical Properties, and Corrosion Behavior of Two Austenitic Stainless Steels for Bioimplant Applications. <i>Metals</i> , 2020 , 10, 1311	2.3	3
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