

Jose Maria Cabrera Marrero

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

211
papers

4,199
citations

34
h-index

59
g-index

223
ext. papers

4,797
ext. citations

3
avg, IF

5.91
L-index

#	Paper	IF	Citations
211	Effect of rare-earth metals on the hot strength of HSLA steels. <i>International Journal of Materials Research</i> , 2022 , 93, 1132-1139	0.5	0
210	Effect of the nanostructuring by high-pressure torsion process on the secondary phase precipitation in UNS S32750 Superduplex stainless steel. <i>Materials Characterization</i> , 2022 , 183, 111639	3.9	2
209	Mechanical, stress corrosion cracking and crystallographic study on flat components processed by two combined severe plastic deformation techniques. <i>Journal of Materials Research and Technology</i> , 2022 , 18, 1281-1294	5.5	0
208	Microstructural analysis of a partially recrystallized nickel-based superalloy undergoing delta-processing. <i>Journal of Alloys and Compounds</i> , 2022 , 907, 164403	5.7	0
207	HEAPS: A user-friendly tool for the design and exploration of high-entropy alloys based on semi-empirical parameters. <i>Computer Physics Communications</i> , 2022 , 278, 108398	4.2	0
206	Effect of the microstructure generated by Repetitive Corrugation and Straightening (RCS) process on the mechanical properties and stress corrosion cracking of Al-7075 alloy. <i>Journal of Materials Research and Technology</i> , 2021 , 15, 4564-4572	5.5	3
205	Analysis of strain-induced precipitates by delta-processing in Inconel 718 superalloy. <i>Materials Characterization</i> , 2021 , 173, 110926	3.9	4
204	Heat Treatment Design for a QP Steel: Effect of Partitioning Temperature. <i>Metals</i> , 2021 , 11, 1136	2.3	1
203	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
202	High temperature cyclic oxidation behavior of a low manganese Fe ₁₂ Mn ₉ Cr ₅ Si ₄ Ni-NbC shape memory stainless steels. <i>Journal of Alloys and Compounds</i> , 2021 , 857, 158198	5.7	5
201	A dislocation assisted self-consistent constitutive model for the high-temperature deformation of particulate metal-matrix composite. <i>Philosophical Magazine</i> , 2021 , 101, 276-305	1.6	3
200	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
199	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
198	Characterization of microstructure and texture of binary Mg-Ce alloy processed by equal channel angular pressing. <i>Materials Characterization</i> , 2021 , 181, 111454	3.9	1
197	Effect of loading mode on the microstructural heterogeneity of ultra-fine-grained iron. <i>Materials Letters</i> , 2021 , 304, 130630	3.3	0
196	Investigation on Texture Evolution and Recrystallization Aspects of Novel Mg ₂ Ni ₃ Cd ₂ Ni ₂ Alloys. <i>Metals and Materials International</i> , 2020 , 27, 3983	2.4	1
195	Microstructural and Mechanical Characterization of Ti-Containing Twinning-Induced Plasticity Steel Welded Joint Produced by Gas Tungsten Arc Welding Process. <i>Steel Research International</i> , 2020 , 91, 2000129	1.6	1

194	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
193	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
192	The Effect of Pre-Annealing on the Evolution of the Microstructure and Mechanical Behavior of Aluminum Processed by a Novel SPD Method. <i>Materials</i> , 2020 , 13,	3.5	2
191	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
190	Design and Development of Complex Phase Steels with Improved Combination of Strength and Stretch-Flangeability. <i>Metals</i> , 2020 , 10, 824	2.3	3
189	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
188	Formability of the 5754-Aluminum Alloy Deformed by a Modified Repetitive Corrugation and Straightening Process. <i>Materials</i> , 2020 , 13,	3.5	3
187	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
186	Critical Strain for Dynamic Recrystallisation. The Particular Case of Steels. <i>Metals</i> , 2020 , 10, 135	2.3	12
185	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
184	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
183	Characterization of Bimetallic Interface in CuAl and NiCu Rods Cold Welded by Equal Channel Angular Pressing. <i>Advanced Engineering Materials</i> , 2020 , 22, 1900653	3.5	
182	Novel Mechanical Characterization of Austenite and Ferrite Phases within Duplex Stainless Steel. <i>Metals</i> , 2020 , 10, 1352	2.3	3
181	EBSD Study of Delta-Processed Ni-Based Superalloy. <i>Metals</i> , 2020 , 10, 1466	2.3	8
180	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
179	Enhancement of pitting corrosion resistance for AA1050 processed by continuous closed die forging. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 13185-13195	5.5	1
178	Thermal analysis of CuMg alloys deformed by equal channel angular pressing. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 146, 1393	4.1	
177	Precipitation and grain growth modelling in Ti-Nb microalloyed steels. <i>Materialia</i> , 2019 , 5, 100233	3.2	24

176	Metal injection moulding (MIM) as an alternative fabrication process for the production of TWIP steel. <i>Powder Metallurgy</i> , 2019 , 62, 205-211	1.9	2
175	Transmission Electron Microscopy Characterization and High-Resolution Modeling of Second-Phase Particles of V- and Ti-Containing Twinning-Induced Plasticity Steel under Uniaxial Hot-Tensile Condition. <i>Steel Research International</i> , 2019 , 90, 1900098	1.6	0
174	Texture development during hot deformation of Al/Mg alloy reinforced with ceramic particles. <i>Journal of Alloys and Compounds</i> , 2019 , 798, 267-272	5.7	2
173	Residual stresses and microstructural evolution of ECAPed AA2017. <i>Materials Characterization</i> , 2019 , 152, 44-57	3.9	6
172	Duplex and Superduplex Stainless Steels: Microstructure and Property Evolution by Surface Modification Processes. <i>Metals</i> , 2019 , 9, 347	2.3	8
171	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
170	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
169	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
168	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
167	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
166	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
165	Grain growth behaviour of an AISI 422 martensitic stainless steel after hot deformation process. <i>Canadian Metallurgical Quarterly</i> , 2018 , 57, 367-379	0.9	
164	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
163	High-temperature deformation of delta-processed Inconel 718. <i>Journal of Materials Processing Technology</i> , 2018 , 255, 204-211	5.3	39
162	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
161	Influence of Inhomogeneity on Mechanical Properties of Commercially Pure Titanium Processed by HPT. <i>Defect and Diffusion Forum</i> , 2018 , 385, 284-289	0.7	2
160	Thermal stability of ARMCO iron processed by ECAP. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 98, 2917-2932	3.2	11
159	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

158	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	3.7	24
157	Microstructure and Mechanical Properties of Linear Friction Welded Titanium Subjected to ECAP. <i>Reviews on Advanced Materials Science</i> , 2018 , 57, 104-109	4.8	2
156	Microstructural investigation of Al-Mg/B4C composite deformed at elevated temperature. <i>Journal of Alloys and Compounds</i> , 2018 , 763, 643-651	5.7	12
155	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
154	High-Temperature Deformation of Inconel 718PlusTM. <i>Journal of Engineering for Gas Turbines and Power</i> , 2017 , 139,	1.7	3
153	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
152	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
151	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
150	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
149	Twin-Induced Plasticity of an ECAP-Processed TWIP Steel. <i>Journal of Materials Engineering and Performance</i> , 2017 , 26, 554-562	1.6	8
148	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
147	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
146	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
145	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
144	Deformation Heterogeneity Study of a 6061-T6 Aluminum Alloy Processed by Equal Channel Angular Pressing. <i>Materials Science Forum</i> , 2017 , 905, 40-45	0.4	0
143	Wear resistance and electroconductivity in a Cu0.3Cr0.5Zr alloy processed by ECAP. <i>Journal of Materials Science</i> , 2017 , 52, 305-313	4.3	24
142	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
141	Influence of Nb Microaddition on Microstructure and Texture Evolution in a Fe-21Mn-1.3Al-1.5Si-0.5C TWIP Steel under Uniaxial Hot-Tensile Conditions. <i>MRS Advances</i> , 2017 , 2, 3797-3803	0.7	0

140	Consolidation of AA 7075-2 wt% ZrO ₂ Composite Powders by Severe Plastic Deformation via ECAP. <i>Acta Metallurgica Sinica (English Letters)</i> , 2016 , 29, 895-901	2.5	5
139	Manganese Effect on Q&P CMnSi Steels. <i>Materials Science Forum</i> , 2016 , 879, 430-435	0.4	4
138	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
137	Advanced Ultra-High Strength Steel (A-UHSS): Boron-Containing 2016 , 100-106		
136	Characterization of Strain-Induced Precipitation in Inconel 718 Superalloy. <i>Journal of Materials Engineering and Performance</i> , 2016 , 25, 3409-3417	1.6	20
135	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
134	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
133	Stress-strain response and microstructural evolution of a FeMnAl 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
132	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
131	Dislocation study of ARMCO iron processed by ECAP. <i>Materials Research Society Symposia Proceedings</i> , 2016 , 1818, 1		
130	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
129	Determination of Critical Stress for Dynamic Recrystallization of a High-Mn Austenitic TWIP Steel Micro-Alloyed with Vanadium. <i>Materials Research Society Symposia Proceedings</i> , 2016 , 1812, 41-46		
128	Effect of Ti Microaddition on Cavitation Behavior During Uniaxial Hot-Tensile of Fe-22Mn-1.5Al-1.3Si-0.5C Austenitic TWIP Steel. <i>Materials Research Society Symposia Proceedings</i> , 2016 , 1812, 123-128		1
127	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
126	Modeling the hot flow behavior of a Fe-22Mn-0.41C-0.6Al-0.4Si 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
125	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
124	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
123	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

122	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
121	Effect of Ti and B microadditions on the hot ductility behavior of a High-Mn austenitic Fe _{0.23} 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
120	EBSD characterization of repetitive grain refinement in AZ31 magnesium alloy. <i>Materials Chemistry and Physics</i> , 2015 , 149-150, 339-343	4.4	19
119	Influence of Boron on the Precipitation Kinetics in Advanced Ultra-High Strength Steels. <i>Materials Research Society Symposia Proceedings</i> , 2015 , 1765, 91-96		
118	Boron Effect on the Softening Parameter (n) of Advanced Ultra-High Strength Steels (A-UHSS) under Uniaxial Hot-Compression Conditions. <i>Materials Research Society Symposia Proceedings</i> , 2015 , 1765, 97-102		
117	Microstructure and Crystallographic Texture Development of Microalloyed Twinning Induced Plasticity (TWIP) Steels Under Uniaxial Hot-Tensile Conditions. <i>Materials Research Society Symposia Proceedings</i> , 2015 , 1765, 103-108		1
116	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
115	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
114	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
113	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
112	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
111	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
110	Effect of Nb and Mo on the hot ductility behavior of a high-manganese austenitic Fe _{0.1} 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
109	Hot ductility behavior of high-Mn austenitic Fe _{0.2} Mn _{0.5} Al _{0.5} Si _{0.4} Si _{0.4} 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
108	Influence of composition, grain size, and oxide particles on the strength of consolidated ball-milled iron. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014 , 63, 012024	0.4	
107	Microstructural Unit Controlling Cleavage Crack Propagation in High Strength Bainitic Steels. <i>Key Engineering Materials</i> , 2014 , 622-623, 846-853	0.4	0
106	Analysis of Recrystallization and Strain-Induced Precipitation on High Nb- and N-Bearing Austenitic Stainless Steel. <i>Advanced Materials Research</i> , 2014 , 922, 700-705	0.5	1
105	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

104	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
103	Alternative methods to attach components in printed circuit boards to improve their recyclability. <i>DYNA (Colombia)</i> , 2014 , 81, 146	0.6	1
102	Effect of the Si and Al Content in Ferritic Electrical Steels on the Flow Behaviour and Dynamic Softening in Hot Rolling. <i>Materials Science Forum</i> , 2013 , 762, 747-752	0.4	
101	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
100	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
99	Calorimetric Analysis of a Mg-Zn-Zr Alloy Processed by Equal Channel Angular Pressing via Route A. <i>Key Engineering Materials</i> , 2013 , 583, 32-35	0.4	1
98	Microstructural and Calorimetric Analysis of ZK60 Alloy Processed by ECAP. <i>Advanced Materials Research</i> , 2013 , 682, 169-175	0.5	
97	Printed circuit boards: a review on the perspective of sustainability. <i>Journal of Environmental Management</i> , 2013 , 131, 298-306	7.9	73
96	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
95	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
94	Hot deformation activation energy (QHW) of austenitic Fe-2Mn-0.5Al-0.5Si-0.4C 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
93	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
92	Texture analysis in ultrafine grained coppers processed by equal channel angular pressing. <i>Materials Research</i> , 2013 , 16, 619-624	1.5	6
91	EBSID 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
90	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
89	The origin of microstructure inhomogeneity in Mg-3Al-1Zn processed by severe plastic deformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 551, 128-132	5.3	12
88	Equal Channel Angular Pressing of Cu-Al Bimetallic Rod. <i>Materials Science Forum</i> , 2012 , 706-709, 1811-1814	1.6	6
87	Effect of V on Hot Deformation Characteristics of TWIP Steels. <i>Steel Research International</i> , 2012 , 83, 334-339	1.6	12

86	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
85	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
84	Prediction of hot flow curves of construction steels by physically-based constitutive equations. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1485, 1-8		
83	Mechanical properties and microstructure of low carbon ultra-high strength steels (UHSS) microalloyed with boron. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1373, 89		2
82	Dynamically recrystallized austenitic grain in a low carbon advanced ultra-high strength steel (A-UHSS) microalloyed with boron under hot deformation conditions. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1485, 143-148		1
81	Effect of Microalloying Elements (B, Nb, V and Ti) on the Strain Hardening Behavior of High-Manganese TWIP Steels. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1373, 83		2
80	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
79	Constitutive relationships for hot deformation of austenite. <i>Acta Materialia</i> , 2011 , 59, 6441-6448	8.4	201
78	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
77	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
76	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
75	On the Onset of Dynamic Recrystallization in Steels. <i>Advanced Materials Research</i> , 2011 , 409, 431-436	0.5	3
74	Thermal Stability and Microstructural Behavior of ECAP Processed Copper 2011 ,		3
73	Microstructure and Mechanical Properties of an AZ31 Magnesium Alloy Processed by Accumulative Back Extrusion (ABE). <i>Materials Science Forum</i> , 2010 , 667-669, 1033-1038	0.4	1
72	Influence of Manganese on the Hot Working Behaviour of Construction Steels. <i>Advanced Materials Research</i> , 2010 , 89-91, 580-585	0.5	1
71	Hot Deformation and Ductility Analysis of Continuous Cast C40 Steel by Means of Tensile and Compression Tests. <i>Materials Science Forum</i> , 2010 , 638-642, 3152-3157	0.4	2
70	Analysis of Hot Tensile and Compression Curves to Assess the Hot Ductility of C-Mn Steels. <i>Materials Science Forum</i> , 2010 , 638-642, 3158-3163	0.4	
69	Enhancing Ductility of ECAP Processed Metals. <i>Materials Science Forum</i> , 2010 , 654-656, 1219-1222	0.4	3

68	Mechanical Properties of Different Coppers Processed by Equal Channel Angular Pressing. <i>Materials Science Forum</i> , 2010 , 667-669, 713-718	0.4	2
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