Felipe Manuel Castro Cerda

List of Publications by Year
in descending order

27	304	10	16
papers	citations	h-index	g-index
		933447	940533

29	29	29	208
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Austenite formation in 0.2% C and 0.45% C steels under conventional and ultrafast heating. Materials and Design, 2017, 116, 448-460.	7.0	52
2	Microstructure, texture and mechanical properties in a low carbon steel after ultrafast heating. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 672, 108-120.	5.6	46
3	The Effect of Ultrafast Heating in Cold-Rolled Low Carbon Steel: Recrystallization and Texture Evolution. Metals, 2016, 6, 288.	2.3	19
4	Exploring the microstructure and tensile properties of cold-rolled low and medium carbon steels after ultrafast heating and quenching. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 745, 509-516.	5.6	18
5	The Effect of Ultrafast Heating on Cold-Rolled Low Carbon Steel: Formation and Decomposition of Austenite. Metals, 2016, 6, 321.	2.3	16
6	The Effect of Heating Rate on the Recrystallization Behavior in Cold Rolled Ultra Low Carbon Steel. Steel Research International, 2017, 88, 1600351.	1.8	15
7	Atomic-scale investigations of isothermally formed bainite microstructures in 51CrV4 spring steel. Materials Characterization, 2019, 152, 67-75.	4.4	15
8	The influence of the heating rate on the microstructure and mechanical properties of a peak annealed quenched and partitioned steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 797, 140061.	5.6	14
9	Behavior of ultrafast annealed advanced high strength steels under static and dynamic conditions. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 780, 139168.	5.6	12
10	The Effect of Heating Rate on the Microstructure of a Soft-Annealed Medium Carbon Steel. Steel Research International, 2017, 88, 1700158.	1.8	11
11	Temperature Dependence of the Microstructure and Mechanical Properties of a Twinning-Induced Plasticity Steel. Metals, 2018, 8, 262.	2.3	10
12	The effect of the pre-heating stage on the microstructure and texture of a cold rolled FeCMnAlSi steel under conventional and ultrafast heating. Materials Characterization, 2017, 130, 188-197.	4.4	9
13	Novel experimental method to determine the limit strain by means of thickness variation. International Journal of Mechanical Sciences, 2019, 153-154, 208-218.	6.7	9
14	Effects of Heat Treatment on Morphology, Texture, and Mechanical Properties of a MnSiAl Multiphase Steel with TRIP Behavior. Metals, 2018, 8, 1021.	2.3	8
15	Influence of Moâ€“Nbâ€“Ti additions and peak annealing temperature on the microstructure and mechanical properties of low alloy steels after ultrafast heating process. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 808, 140928.	5.6	8
16	Improvement of the strength-ductility balance in ultrafast heated steels by combining high-temperature annealing and quenching and partitioning process. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 827, 142045.	5.6	8
17	Effect of the austenitizing parameters on the microstructure and mechanical properties of 75Cr1 tool steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 785, 139331.	5.6	7
18	Advanced High Strength Steels: Improved Properties by Design of Textures and Microstructures. IOP Conference Series: Materials Science and Engineering, 2017, 219, 012004.	0.6	6

#	Article	IF	Citations
19	Isothermal Phase Transformations in a Low Carbon Steel During Single and Two-Step Partitioning. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 1506-1518.	2.2	6
20	The Effect of Different Annealing Strategies on the Microstructure Development and Mechanical Response of Austempered Steels. Metals, 2021, 11, 1041.	2.3	4
21	â€˜Flashâ€™ Annealing in a Coldâ€Rolled Low Carbon Steel Alloyed With Cr, Mn, Mo, and Nb: Part I â€• Continuous Phase Transformations. Steel Research International, 2019, 90, 1800098.	1.8	3
22	Modeling the Mechanical Response of a Dual-Phase Steel Based on Individual-Phase Tensile Properties. Metals, 2020, 10, 1031.	2.3	2
23	Static and dynamic response of ultra-fast annealed advanced high strength steels. EPJ Web of Conferences, 2018, 183, 03017.	0.3	1
24	â€œFlashâ€•Annealing in a Coldâ€Rolled Low Carbon Steel Alloyed with Cr, Mn, Mo, and Nb: Part IIâ€"Anisothermal Recrystallization and Transformation Textures. Steel Research International, 2019, 90, 1800277.	1.8	1
25	Balanced Constrained Carbon Equilibrium Accompanied by Carbide Precipitation. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 2155-2157.	2.2	1
26	Microstructure, Anisotropy and Formability Evolution of an Annealed AISI 430 Stainless Steel Sheet. Steel Research International, 2022, 93, 2100114.	1.8	1
27	Evolution of Face-Centered Cubic Ti Alloys Transformation by X-ray Diffraction Profile Analysis in Mechanical Alloying. Metals, 2021, 11, 1841.	2.3	1