

Alberto Monsalve

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	The Effect of Ultrafast Heating in Cold-Rolled Low Carbon Steel: Recrystallization and Texture Evolution. <i>Metals</i> , 2016, 6, 288.	2.3	19
2	Exploring the microstructure and tensile properties of cold-rolled low and medium carbon steels after ultrafast heating and quenching. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 745, 509-516.	5.6	18
3	The Effect of Ultrafast Heating on Cold-Rolled Low Carbon Steel: Formation and Decomposition of Austenite. <i>Metals</i> , 2016, 6, 321.	2.3	16
4	The Effect of Heating Rate on the Recrystallization Behavior in Cold Rolled Ultra Low Carbon Steel. <i>Steel Research International</i> , 2017, 88, 1600351.	1.8	15
5	Temperature Dependence of the Microstructure and Mechanical Properties of a Twinning-Induced Plasticity Steel. <i>Metals</i> , 2018, 8, 262.	2.3	10
6	Effects of Heat Treatment on Morphology, Texture, and Mechanical Properties of a MnSiAl Multiphase Steel with TRIP Behavior. <i>Metals</i> , 2018, 8, 1021.	2.3	8
7	Hardening by Transformation and Cold Working in a Hadfield Steel Cone Crusher Liner. <i>Metals</i> , 2021, 11, 961.	2.3	8
8	Mechanical and Microstructural Characterization of an Aluminum Bearing Trip Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2016, 47, 3088-3094.	2.2	7
9	Effect of Bainitic Isothermal Treatment on the Microstructure and Mechanical Properties of a CMnSiAl TRIP Steel. <i>Metals</i> , 2022, 12, 655.	2.3	7
10	Microstructure-Based Constitutive Modelling of Low-Alloy Multiphase TRIP Steels. <i>Metals</i> , 2019, 9, 250.	2.3	5
11	Acoustic Birefringence and Poisson's Ratio Determined by Ultrasound: Tools to Follow-Up Deformation by Cold Rolling and Recrystallization. <i>Materials Research</i> , 2017, 20, 304-310.	1.3	4
12	Effect of Carbon Content and Intercritical Annealing on Microstructure and Mechanical Tensile Properties in FeCMnSiCr TRIP-Assisted Steels. <i>Metals</i> , 2021, 11, 1546.	2.3	4
13	Mechanical Properties and Microstructural Aspects of Two High-Manganese Steels with TWIP/TRIP Effects: A Comparative Study. <i>Metals</i> , 2021, 11, 24.	2.3	4
14	Mechanical Behavior of a Twip Steel (Twinning Induced Plasticity). <i>Revista Materia</i> , 2015, 20, 653-658.	0.2	3
15	Modeling the Mechanical Response of a Dual-Phase Steel Based on Individual-Phase Tensile Properties. <i>Metals</i> , 2020, 10, 1031.	2.3	2
16	Ultrasonic Assessment of the Influence of Cold Rolling and Recrystallization Annealing on the Elastic Constants in a TWIP Steel. <i>Materials</i> , 2021, 14, 6559.	2.9	1
17	Influence of Cold Deformation on Carbide Precipitation Kinetics in a Fe-22Mn-0.45C TWIP Steel. <i>Materials</i> , 2022, 15, 3748.	2.9	0