

# Alberto Monsalve

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

132  
citations

1307594

7  
h-index

1281871

11  
g-index

18  
all docs

18  
docs citations

18  
times ranked

127  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | 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         |
| 2  | 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         |
| 3  | Hardening by Transformation and Cold Working in a Hadfield Steel Cone Crusher Liner. <i>Metals</i> , 2021, 11, 961.  | 2.3 | 8         |
| 4  | 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         |
| 5  | 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         |
| 6  | 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         |
| 7  | Modeling the Mechanical Response of a Dual-Phase Steel Based on Individual-Phase Tensile Properties. <i>Metals</i> , 2020, 10, 1031.   | 2.3 | 2         |
| 8  | Microstructure-Based Constitutive Modelling of Low-Alloy Multiphase TRIP Steels. <i>Metals</i> , 2019, 9, 250.   | 2.3 | 5         |
| 9  | Exploring the microstructure and tensile properties of cold-rolled low and medium carbon steels after ultrafast heating and quenching. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 745, 509-516. | 5.6 | 18        |
| 10 | 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         |
| 11 | Temperature Dependence of the Microstructure and Mechanical Properties of a Twinning-Induced Plasticity Steel. <i>Metals</i> , 2018, 8, 262.   | 2.3 | 10        |
| 12 | 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        |
| 13 | 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         |
| 14 | The Effect of Ultrafast Heating in Cold-Rolled Low Carbon Steel: Recrystallization and Texture Evolution. <i>Metals</i> , 2016, 6, 288.  | 2.3 | 19        |
| 15 | 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        |
| 16 | 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         |
| 17 | Mechanical Behavior of a Twip Steel (Twinning Induced Plasticity). <i>Revista Materia</i> , 2015, 20, 653-658.   | 0.2 | 3         |