

# Marco Antonio Doña Ruiz

## List of Publications by Year in descending order

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34  
papers

269  
citations

1478505

6  
h-index

940533

16  
g-index

35  
all docs

35  
docs citations

35  
times ranked

143  
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation and kinetics of FeB/Fe <sub>2</sub> B layers and diffusion zone at the surface of AISI 316 borided steels. Surface and Coatings Technology, 2010, 205, 403-412.	4.8	114
2	Growth kinetics of boride coatings formed at the surface AISI M2 during dehydrated paste pack boriding. Thin Solid Films, 2015, 596, 147-154.	1.8	36
3	Interfacial indentation test of FeB/Fe <sub>2</sub> B coatings. Surface and Coatings Technology, 2011, 206, 1809-1815.	4.8	34
4	Diffusion of Hard Coatings on Ductile Cast Iron. Materials Research Society Symposia Proceedings, 2012, 1481, 105-112.	0.1	9
5	Evaluation of properties in steel with boride coatings under hydrogen. Surface and Coatings Technology, 2019, 377, 124880.	4.8	7
6	Micro-abrasive wear behavior by the ball cratering technique on AISI L6 steel for agricultural application. Materials Letters, 2021, 283, 128904.	2.6	7
7	Growth Kinetics and Mechanical Characterization of a Hard Boron Coating on a Tool Steel. Defect and Diffusion Forum, 2017, 380, 29-34.	0.4	5
8	A Microstructure Obtained on AISI 1018 and AISI M2 Steel by Powder Paste Pack Boriding Process. Microscopy and Microanalysis, 2019, 25, 2398-2399.	0.4	5
9	Study of Surface Hardening to Injectors of Gasoline. Advanced Materials Research, 0, 538-541, 239-242.	0.3	4
10	Study of Adhesion in Steels Surface Hardened. Advanced Materials Research, 0, 535-537, 513-516.	0.3	4
11	Evaluation Hard Layers in Steel AISI 8620. Advanced Materials Research, 2013, 690-693, 2055-2058.	0.3	4
12	Characterization and Study Hard Layer on Steels Grade Machinery. Defect and Diffusion Forum, 2017, 371, 1-7.	0.4	4
13	Analysis Microstructural on Gray Cast Iron Boriding and Hydrogen of Permeation. Microscopy and Microanalysis, 2019, 25, 1602-1603.	0.4	4
14	Formation of Hard Layers in Tool Steels. Advanced Materials Research, 2013, 690-693, 2059-2062.	0.3	3
15	Effect of Hydrogen on the Mechanical Behavior of API X70 Ageing. Defect and Diffusion Forum, 0, 353, 159-164.	0.4	3
16	Duplex surface treatment on microalloy steels by dehydrated paste pack boriding and pack carburizing. Materials Letters, 2020, 280, 128573.	2.6	3
17	Effect of the Boron Powder on Surface AISI W2 Steel: Experiments and Modelling. Advances in Materials Science and Engineering, 2021, 2021, 1-9.	1.8	3
18	Analysis of the wear mechanisms of the boriding drill tip. Microscopy and Microanalysis, 2021, 27, 3406-3408.	0.4	3

#	ARTICLE	IF	CITATIONS
19	Numerical Model of Ultra-High Molecular Weight Polyethylene Abrasive Wear Tests. Modeling and Numerical Simulation of Material Science, 2020, 10, 1-14.	0.3	3
20	Fracture Indentation on AISI 1018 Borided Steels. Key Engineering Materials, 0, 449, 9-14.	0.4	2
21	Study of Hydrogen Permeation in a Micro-Alloyed Heat Treated Steel. Defect and Diffusion Forum, 2014, 353, 165-170.	0.4	2
22	Study and Properties of a Steel Microalloyed Hardened Superficially. Defect and Diffusion Forum, 2015, 365, 122-127.	0.4	2
23	Analysis of Bone Plate with Different Material in Terms of Stress Distribution. Defect and Diffusion Forum, 2017, 371, 18-24.	0.4	2
24	Effect of Hard Coatings on Surface Gray Iron on Fracture Toughness. Defect and Diffusion Forum, 0, 353, 248-253.	0.4	1
25	Characterization of Adherence Steels Hardened Superficially. Materials Research Society Symposia Proceedings, 2014, 1616, 1.	0.1	1
26	Mechanical Behavior of Iron Boride Formed in the Surface of an AISI W2. Defect and Diffusion Forum, 0, 365, 142-147.	0.4	1
27	Mechanical Behavior on Cr Base Steels Surface Treatment. Defect and Diffusion Forum, 0, 365, 148-153.	0.4	1
28	Effect of Hydrogen on the Mechanical Behavior on AISI 4140 with Borided Coatings. Defect and Diffusion Forum, 2017, 371, 8-13.	0.4	1
29	Microstructural Characterization of the Effect Cementation Treatment on Microalloyed Steel Boronizing. Microscopy and Microanalysis, 2019, 25, 2338-2339.	0.4	1
30	Effect of the Aging Treatment in Micro-Alloyed Steel. Materials Research Society Symposia Proceedings, 2012, 1481, 55-61.	0.1	0
31	Effect of Hydrogen on Mechanical Properties of Aluminum AA 6061 Alloy Hardened by Precipitation. Materials Research Society Symposia Proceedings, 2012, 1373, 95.	0.1	0
32	Characterization Microstructural and Mechanical of X-60 Steel Heat-Treated. Materials Research Society Symposia Proceedings, 2012, 1481, 63-69.	0.1	0
33	Effect of Hydrogen on a Microalloyed Steel Permeate. , 2017, , 99-106.		0
34	Microstructural Characterization on AISI H13 Nitrided After a Heat Treatment. Microscopy and Microanalysis, 2019, 25, 2396-2397.	0.4	0