

# Javier Fernandez

## List of Publications by Year in descending order

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35  
papers

626  
citations

759233

12  
h-index

580821

25  
g-index

35  
all docs

35  
docs citations

35  
times ranked

607  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Velocity Oxyfuel Cr <sub>3</sub> C <sub>2</sub> -NiCr Replacing Hard Chromium Coatings. Journal of Thermal Spray Technology, 2005, 14, 335-341.	3.1	97
2	Effects of thickness coating on the electrochemical behaviour of thermal spray Cr <sub>3</sub> C <sub>2</sub> -NiCr coatings. Surface and Coatings Technology, 2002, 153, 107-113.	4.8	84
3	Electrochemical behavior of thermally sprayed stainless steel coatings in 3.4% NaCl solution. Corrosion Science, 2005, 47, 605-620.	6.6	62
4	Effect of Heat Treatments on HVOF Hydroxyapatite Coatings. Journal of Thermal Spray Technology, 2007, 16, 220-228.	3.1	59
5	Comparison of the friction and wear behaviour of WC-Co and WC-Co hardmetals in contact with steel at high temperatures. Wear, 2012, 280-281, 15-21.	3.1	45
6	Influence of spraying parameters on the electrochemical behaviour of HVOF thermally sprayed stainless steel coatings in 3.4% NaCl. Surface and Coatings Technology, 2006, 200, 3064-3072.	4.8	41
7	Electrochemical and Structural Characterization of Heat-Treated Cr <sub>3</sub> C <sub>2</sub> -NiCr Coatings. Journal of the Electrochemical Society, 2006, 153, B434.	2.9	24
8	Thermal stability of the martensitic transformation of Cu-Al-Ni-Mn-Ti. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 438-440, 723-725.	5.6	23
9	Corrosion Resistance Evaluation of HVOF Produced Hydroxyapatite and TiO <sub>2</sub> -hydroxyapatite Coatings in Hanks' Solution. Materials Research, 2018, 21, .	1.3	23
10	Electrochemical behaviour of thermally sprayed Cr <sub>3</sub> C <sub>2</sub> -NiCr coatings in 0.5 M H <sub>2</sub> SO <sub>4</sub> media. Journal of Applied Electrochemistry, 2002, 32, 1287-1295.	2.9	22
11	The influence of gun transverse speed on electrochemical behaviour of thermally sprayed Cr <sub>3</sub> C <sub>2</sub> -NiCr coatings in 0.5 M H <sub>2</sub> SO <sub>4</sub> solution. Electrochimica Acta, 2004, 49, 627-634.	5.2	21
12	Conditioning treatments of Cu-Al-Be shape memory alloys for dampers. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 438-440, 1085-1088.	5.6	16
13	TEM study on the microstructure of Cu-Al-Ag shape memory alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 438-440, 726-729.	5.6	13
14	Behavior of NiTi Wires for Dampers and Actuators in Extreme Conditions. Journal of Materials Engineering and Performance, 2015, 24, 3323-3327.	2.5	12
15	A one-cycle training technique for copper-based shape memory alloys. Journal of Materials Processing Technology, 2003, 139, 117-119.	6.3	11
16	Wear and corrosion of metal-matrix (stainless steel or NiTi)-TiC coatings. Physics Procedia, 2010, 10, 77-80.	1.2	9
17	Rheological behaviour of submicron mullite-carbon nanofiber suspensions for Atmospheric Plasma Spraying coatings. Journal of the European Ceramic Society, 2014, 34, 475-483.	5.7	9
18	Tribological Study of Plasma Hydroxyapatite Coatings. Key Engineering Materials, 2004, 254-256, 383-386.	0.4	8

#	ARTICLE	IF	CITATIONS
19	On the electrochemical behavior of Cu-16%Zn-6.5%Al alloy containing the $\epsilon$ -phase (martensite) in borate buffer. <i>Electrochimica Acta</i> , 2013, 107, 238-247.	5.2	8
20	Study of $\epsilon$ precipitates induced by the stabilized stress-induced martensite (SSIM) training method in Cu-Zn-Al alloys. <i>Intermetallics</i> , 2000, 8, 703-707.	3.9	6
21	Study of Adhesion Relationship of Hydroxyapatite-Titania Coating Obtained by HVOF. <i>Materials Science Forum</i> , 2010, 636-637, 82-88.	0.3	6
22	The influence of deformation imposed during training on the two-way shape-memory effect obtained in a Cu-Zn-Al-Co alloy by the stabilized stress-induced martensite training method. <i>Journal of Materials Science Letters</i> , 1992, 11, 964-967.	0.5	5
23	Electrochemical Corrosion of Cermet Coatings in Artificial Marine Water. <i>Materials Science Forum</i> , 1998, 289-292, 667-678.	0.3	5
24	Micro and macroscopic effects on the long time guaranteed behaviour of Cu-based shape memory alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 378, 227-231.	5.6	5
25	Biological properties of TiCa-NiTi and TiCa-NiTi. $\langle \text{math altimg="si1.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tbl="http://www.elsevier.com/xml/common/table/dtd" xmlns:tbl_struct="http://www.elsevier.com/xml/common/table-struct/dtd" \rangle$	1.2	3
26	Structural Characterization of Intermetallic NiTi Coatings Obtained by Thermal Spray Technologies. <i>Materials Science Forum</i> , 0, 636-637, 1084-1090.	0.3	3
27	Effect of Small $\epsilon$ Precipitates on the Two-way Shape Memory Effect in a Cu-Zn-Al Alloy. <i>Materials Characterization</i> , 2000, 44, 365-370.	4.4	2
28	Oxidation Behaviour of Stainles Steel Matrix with TiC and TiC+TiB<sub>2</sub> SHS Powders in a Thermal Spray Process. <i>Defect and Diffusion Forum</i> , 0, 289-292, 455-460.	0.4	2
29	La $\frac{1}{4}$ e back-reflection method for crystallographic orientation of a martensitic Cu-Zn-Al single crystal of the monoclinic system. <i>Quimica Nova</i> , 2008, 31, 154-159.	0.3	1
30	The surveys: nexus between industry and academia. , 2015, , .		1
31	Two-way shape memory effects after the training of bicrystalline Cu-Zn-Al-Co by stabilized stress induced martensite. <i>Journal of Materials Science Letters</i> , 1994, 13, 1195-1197.	0.5	0
32	Thermomechanical Fatigue Behavior of NiTi Wires. <i>Materials Science Forum</i> , 2013, 738-739, 311-315.	0.3	0
33	NiTi Splat Features during Vacuum Thermal Spraying onto Several Substrates. <i>Materials Science Forum</i> , 2013, 738-739, 357-361.	0.3	0
34	Competency Training of Students of the Faculty of Chemistry of the University of Barcelona by Conducting Internal Audits. <i>Procedia, Social and Behavioral Sciences</i> , 2015, 196, 59-62.	0.5	0
35	The surveys to the companies: A tool for the improvement of degrees. <i>Journal of Technology and Science Education</i> , 2017, 7, 80.	1.2	0