

# Pedro Merino

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8926253/publications.pdf>

Version: 2024-02-01

32  
papers

932  
citations

623734  
14  
h-index

477307  
29  
g-index

32  
all docs

32  
docs citations

32  
times ranked

827  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impedance spectroscopy study of hardened Portland cement paste. Cement and Concrete Research, 2002, 32, 881-891.	11.0	189
2	Characterisation of the barrier properties of different paint systems. Progress in Organic Coatings, 1999, 36, 102-108.	3.9	101
3	Effect of high energy ball milling on the morphology, microstructure and properties of nano-sized TiC particle-reinforced 6005A aluminium alloy matrix composite. Powder Technology, 2017, 321, 31-43.	4.2	96
4	A New Approach to the Determination of the Cathodic Protection Period in Zinc-Rich Paints. Corrosion, 1999, 55, 1173-1181.	1.1	74
5	Impedance spectroscopy study of saturated mortar samples. Electrochimica Acta, 2008, 53, 7549-7555.	5.2	63
6	Characterisation of the barrier properties of different paint systems. Progress in Organic Coatings, 1999, 37, 169-177.	3.9	57
7	Electrical effects generated by mechanical loading of hardened Portland cement paste. Cement and Concrete Composites, 2003, 25, 351-356.	10.7	36
8	Comparative study between galvanised steel and three duplex systems submitted to a weathering cyclic test. Corrosion Science, 2002, 44, 481-500.	6.6	35
9	Electrochemical behaviour of an AISI 304L stainless steel implanted with nitrogen. Electrochimica Acta, 2008, 53, 6000-6007.	5.2	35
10	Effect of yttrium and erbium ion implantation on the oxidation behaviour of the AISI 304 austenitic steel. Surface and Coatings Technology, 2000, 126, 116-122.	4.8	32
11	Electrochemical Impedance Spectroscopy Study of the Corrosion Process on Coated Galvanized Steel in a Salt Spray Fog Chamber. Corrosion, 2000, 56, 1220-1232.	1.1	29
12	Laser surface melting: A suitable technique to repair damaged surfaces made in 14 Ni (200 grade) maraging steel. Surface and Coatings Technology, 2012, 212, 159-168.	4.8	29
13	Estimation of crystallite size and lattice strain in nano-sized TiC particle-reinforced 6005A aluminium alloy from X-ray diffraction line broadening. Powder Technology, 2019, 343, 19-28.	4.2	27
14	Microstructural characterization of laser surface melted AISI M2 tool steel. Journal of Microscopy, 2010, 239, 184-193.	1.8	19
15	Development of a high wear resistance aluminium matrix nanoreinforced composite. Surface and Interface Analysis, 2012, 44, 1005-1008.	1.8	13
16	A study of laser melt injection of TiN particles to repair maraging tool steels. Surface and Interface Analysis, 2014, 46, 861-864.	1.8	13
17	Influence of the initial surface state of bodies in contact on the formation of white etching layers under dry sliding conditions. Wear, 2016, 366-367, 209-216.	3.1	13
18	Effect of the deep cryogenic treatment on the stress corrosion cracking behaviour of AA 2017 aluminium alloy. Materials and Corrosion - Werkstoffe Und Korrosion, 2016, 67, 504-512.	1.5	12

#	ARTICLE	IF	CITATIONS
19	Microstructure and mechanical properties of Al/SiC composite surface layer produced by friction stir processing. Ciência & Tecnologia Dos Materiais, 2017, 29, e82-e86.	0.5	12
20	Microstructure and mechanical behavior of laser surface melted AISI M2 high-speed steel. Surface and Interface Analysis, 2010, 42, 752-756.	1.8	9
21	Surface modification of 7075-T6 aluminium alloy by laser melting. Surface and Interface Analysis, 2012, 44, 977-981.	1.8	7
22	Evaluation of environmentally friendly paints over weathering galvanised steel. Progress in Organic Coatings, 2003, 46, 197-210.	3.9	5
23	Age Hardening of Extruded AA 6005A Aluminium Alloy Powders. Materials, 2019, 12, 2316.	2.9	5
24	Microstructure and Mechanical Properties of an Extruded 6005A Al Alloy Composite Reinforced with TiC Nanosized Particles and Strengthened by Precipitation Hardening. Metals, 2020, 10, 1050.	2.3	5
25	Modificación de los aceros rápidos de herramientas AISI M2 por fusión superficial con láser bajo diferentes condiciones de operación. Revista De Metalurgia, 2010, 46, 206-218.	0.5	5
26	Surface modification of 2017-T4 aluminium alloy by high power diode laser melting. Surface and Interface Analysis, 2010, 42, 748-751.	1.8	3
27	An Insight on the Influence of Ion Implantation on the Pitting Corrosion Resistance of AISI 430 Stainless Steel. Defect and Diffusion Forum, 0, 289-292, 501-508.	0.4	2
28	Mo implantation in austenitic stainless steels: effect on the corrosion resistance in chloride acidic media. Surface and Interface Analysis, 2010, 42, 621-625.	1.8	2
29	Optimization of Ageing Parameters of a Low Nickel Maraging Steel. Materials Science Forum, 0, 636-637, 471-477.	0.3	2
30	Corrosivity of the N.W. Spanish sea water. Environmental Technology Letters, 1988, 9, 625-636.	0.4	1
31	The effect of red mud in the electrochemical behaviour of carbon steel embedded in mortar. Revista De Metalurgia, 2008, 44, .	0.5	1
32	Analysis of the Passive Layer Developed on Two Stainless Steels Co-Implanted with Chromium and Nitrogen. Materials Science Forum, 0, 587-588, 800-804.	0.3	0