

# Fernando Ap Castro

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

1,161  
citations

430874

18  
h-index

395702

33  
g-index

51  
all docs

51  
docs citations

51  
times ranked

1343  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cement mortars with ceramic molds shells and paraffin waxes wastes: Physical and mechanical behavior. <i>Construction and Building Materials</i> , 2022, 342, 127949.	7.2	7
2	Alkali-Activated Cements from Urban, Mining and Agro-Industrial Waste: State-of-the-art and Opportunities. <i>Waste and Biomass Valorization</i> , 2021, 12, 2665-2683.	3.4	12
3	Compressed earth blocks stabilized with glass waste and fly ash activated with a recycled alkaline cleaning solution. <i>Journal of Cleaner Production</i> , 2021, 284, 124783.	9.3	25
4	Iron and Aluminium Production Wastes as Exclusive Components of Alkali Activated Binders – Towards a Sustainable Alternative. <i>Sustainability</i> , 2021, 13, 9938.	3.2	4
5	Unsaturated Response of Clayey Soils Stabilised with Alkaline Cements. <i>Molecules</i> , 2020, 25, 2533.	3.8	4
6	Analytical hybrid effect prediction and evolution of the tensile response of unidirectional hybrid fibre-reinforced polymers composites for civil engineering applications. <i>Journal of Composite Materials</i> , 2020, 54, 3205-3228.	2.4	9
7	Influence of service temperature on shear creep behaviour of a rigid low-density closed-cell PIR foam. <i>Construction and Building Materials</i> , 2019, 225, 1052-1063.	7.2	5
8	Statistical Study of Curing Conditions in Alkali Activation of Mine Tailings. <i>Environmental Geotechnics</i> , 2019, , 1-13.	2.3	1
9	Sustainable alkaline activation of fly ash, aluminium anodising sludge and glass powder blends with a recycled alkaline cleaning solution. <i>Construction and Building Materials</i> , 2019, 204, 609-620.	7.2	28
10	Using foundry slag of ferrous metals as fine aggregate for concrete. <i>Resources, Conservation and Recycling</i> , 2018, 138, 130-141.	10.8	31
11	Experimental analysis of the carbonation and humidity diffusion processes in aerial lime mortar. <i>Construction and Building Materials</i> , 2017, 148, 38-48.	7.2	34
12	Statistical Analysis of the Influence of Several Factors on Compressive Strength of Alkali Activated Fly Ash. <i>Procedia Structural Integrity</i> , 2017, 5, 1116-1122.	0.8	4
13	Experimental study of the Cu-Al-Sn phase equilibria, close to the copper zone. <i>Journal of Mining and Metallurgy, Section B: Metallurgy</i> , 2017, 53, 209-213.	0.8	3
14	Alkali-Activated Fly Ashes: Influence of Curing Conditions on Mechanical Strength. <i>U Porto Journal of Engineering</i> , 2017, 3, 57-67.	0.4	0
15	Effects of different environmental conditions on the mechanical characteristics of a structural epoxy. <i>Composites Part B: Engineering</i> , 2016, 88, 55-63.	12.0	68
16	Study of a Two Steps Process for the Valorization of PVC-Containing Wastes. <i>Waste and Biomass Valorization</i> , 2013, 4, 55-63.	3.4	5
17	Luiz Bandeira Bridge: Assessment of a Historical Reinforced Concrete (RC) Bridge. <i>International Journal of Architectural Heritage</i> , 2013, 7, 628-652.	3.1	15
18	Technical Aspects of Adsorption Process onto an Innovative Eggshell-Derived Low-Cost Adsorbent. <i>Materials Science Forum</i> , 2012, 730-732, 648-652.	0.3	3

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19	Kinetics of thermal de-chlorination of PVC under pyrolytic conditions. Waste Management, 2012, 32, 847-851.	7.4	49
20	Evaluation of Pellets Produced with Undergrowth to be Used as Biofuel. Waste and Biomass Valorization, 2012, 3, 285-294.	3.4	16
21	Kinetic Study of Thermal De-Chlorination of PVC-Containing Waste. Materials Science Forum, 2012, 730-732, 611-616.	0.3	2
22	Alternative Low-cost Adsorbent for Water and Wastewater Decontamination Derived from Eggshell Waste: An Overview. Waste and Biomass Valorization, 2011, 2, 157-167.	3.4	106
23	Ancient Clay Bricks: Manufacture and Properties. , 2010, , 29-48.		34
24	Handmade Clay Bricks: Chemical, Physical and Mechanical Properties. International Journal of Architectural Heritage, 2010, 4, 38-58.	3.1	57
25	Utilisation of pulp and paper industry wastes as raw materials in cement clinker production. International Journal of Materials Engineering Innovation, 2009, 1, 74.	0.5	19
26	The importance of surface conditioning in mould preparation. Reinforced Plastics, 2009, 53, 26-27.	0.1	0
27	Effective mould release for RTM processes. Reinforced Plastics, 2006, 50, 30-31.	0.1	0
28	Experimental Phase Diagram of the Ternary Bi-Sn-Zn. Materials Science Forum, 2006, 514-516, 1682-1688.	0.3	0
29	Influence of the chemical composition on the machinability of brasses. Journal of Materials Processing Technology, 2005, 170, 441-447.	6.3	102
30	Physical and chemical characterisation of metal finishing industrial wastes. Journal of Environmental Management, 2005, 75, 157-166.	7.8	69
31	Solvent extraction applied to the recovery of heavy metals from galvanic sludge. Journal of Hazardous Materials, 2005, 120, 113-118.	12.4	141
32	Kinetic study of the immobilization of galvanic sludge in clay-based matrix. Journal of Hazardous Materials, 2005, 121, 69-78.	12.4	27
33	Leaching behaviour of a galvanic sludge in sulphuric acid and ammoniacal media. Journal of Hazardous Materials, 2005, 121, 195-202.	12.4	76
34	Effect of the bismuth content on the interface reactions between copper substrate and Sn-Zn-Al-Bi lead-free solder. Revista De Metalurgia, 2005, 41, 208-212.	0.5	1
35	Effect of the Bi Content on the Mechanical Properties of a Sn-Zn-Al-Bi Solder Alloy. Materials Science Forum, 2004, 455-456, 307-311.	0.3	3
36	Leaching of Brasses in Long-Term Direct Contact with Water. Materials Science Forum, 2004, 455-456, 839-843.	0.3	2

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37	Effect of experimental variables on the inertization of galvanic sludges in clay-based ceramics. Journal of Hazardous Materials, 2004, 106, 139-147.	12.4	57
38	Role of the mixing conditions and composition of galvanic sludges on the inertization process in clay-based ceramics. Journal of Hazardous Materials, 2004, 106, 169-176.	12.4	29
39	Contribution to the knowledge of the Cu-Sn-Zn system for compositions close to brass alloys. Journal of Alloys and Compounds, 2004, 379, 161-165.	5.5	13
40	Phase equilibria of the Al-Cu-Zn system for compositions close to brass alloys. Journal of Phase Equilibria and Diffusion, 2003, 24, 236-239.	0.3	3
41	Cations extraction of sandy-clay soils from cavado valley, portugal, using sodium salts solutions. Scientia Agricola, 2002, 59, 365-371.	1.2	0
42	Contribution to the knowledge of the Cu-Zn-Ti system for compositions close to brass alloys. Scandinavian Journal of Metallurgy, 2001, 30, 254-257.	0.3	8
43	Production of magnetite powder and recovery of non-ferrous metals from steel making residues. Developments in Mineral Processing, 2000, , C12a-15-C12a-19.	0.0	2
44	Mechanical behaviour of Portland cement mortars with incorporation of Al-containing salt slags. Cement and Concrete Research, 2000, 30, 1131-1138.	11.0	50
45	Chemical Modification of Pure Titanium Surfaces for Oral Implants. Implant Dentistry, 1999, 8, 86-89.	1.3	0
46	Modeling of chemical wear in ferrous alloys/ silicon nitride contacts during high speed cutting. Acta Materialia, 1998, 46, 2501-2507.	7.9	18
47	Isopiestic determination of the coefficients of activity of magnesium in Al <sub>i</sub> -Cu <sub>i</sub> -Mg liquid alloys. Journal of Alloys and Compounds, 1995, 220, 179-181.	5.5	12
48	Development of a Process for Copper Recovering from Galvanic Sludges. Materials Science Forum, 0, 730-732, 575-580.	0.3	2
49	Evaluation of the Energetic Valorization Potential of Polymeric and Textile Industrial Wastes. Materials Science Forum, 0, 730-732, 592-597.	0.3	1
50	Alternative Feedstocks for Biodiesel Production. Materials Science Forum, 0, 730-732, 623-629.	0.3	4