

# Carlos MorÃ“n

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5711558/publications.pdf>

Version: 2024-02-01

44  
papers

357  
citations

933447

10  
h-index

839539

18  
g-index

44  
all docs

44  
docs citations

44  
times ranked

363  
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic Sensors Based on Amorphous Ferromagnetic Materials: A Review. <i>Sensors</i> , 2015, 15, 28340-28366.	3.8	88
2	New Prototype of Photovoltaic Solar Tracker Based on Arduino. <i>Energies</i> , 2017, 10, 1298.	3.1	31
3	Measurement of Moisture in Wood for Application in the Restoration of Old Buildings. <i>Sensors</i> , 2016, 16, 697.	3.8	24
4	New System of Shrinkage Measurement through Cement Mortars Drying. <i>Sensors</i> , 2017, 17, 522.	3.8	19
5	Measuring system of capillary rising damp in cement mortars. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 135, 252-259.	5.0	17
6	Characterization of a New Lightened Gypsum-Based Material Reinforced with Fibers. <i>Materials</i> , 2021, 14, 1203.	2.9	16
7	Comparative study of the influence of three types of fibre in the shrinkage of recycled mortar. <i>Materiales De Construccion</i> , 2018, 68, 168.	0.7	15
8	Experimental Study with Cement Mortars Made with Recycled Concrete Aggregate and Reinforced with Aramid Fibers. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7791.	2.5	12
9	Magnetic Sensor for Building Structural Vibrations. <i>Sensors</i> , 2014, 14, 2468-2475.	3.8	11
10	New test methods to determine water absorption by capillarity. Experimental study in masonry mortars. <i>Construction and Building Materials</i> , 2022, 319, 125988.	7.2	11
11	Mechatronic Prototype of Parabolic Solar Tracker. <i>Sensors</i> , 2016, 16, 882.	3.8	10
12	Design, Development and Implementation of a Weather Station Prototype for Renewable Energy Systems. <i>Energies</i> , 2018, 11, 2234.	3.1	10
13	Influence of Recycled Aggregates on the Mechanical Properties of Synthetic Fibers-Reinforced Masonry Mortars. <i>Infrastructures</i> , 2021, 6, 84.	2.8	10
14	Domotics Project Housing Block. <i>Sensors</i> , 2016, 16, 741.	3.8	9
15	Comparative Analysis of Infrared Thermography and CFD Modelling for Assessing the Thermal Performance of Buildings. <i>Energies</i> , 2018, 11, 638.	3.1	9
16	BEHAVIOUR OF MASONRY MORTARS FABRICATED WITH RECYCLED AGGREGATE TOWARDS MOISTURE. <i>Dyna (Spain)</i> , 2019, 94, 442-446.	0.2	9
17	Low-Cost Impact Detection and Location for Automated Inspections of 3D Metallic Based Structures. <i>Sensors</i> , 2015, 15, 12651-12667.	3.8	6
18	New System to Determine the Evolution of the Dynamic Young's Modulus from Early Ages in Masonry Mortars. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8129.	2.5	6

#	ARTICLE	IF	CITATIONS
19	COMPARATIVE ANALYSIS OF FIBRE-REINFORCED PLASTERS FOR THE PRODUCTION OF PRECAST ELEMENTS. <i>Dyna (Spain)</i> , 2020, 95, 333-338.	0.2	5
20	A New Self-Calibrated Procedure for Impact Detection and Location on Flat Surfaces. <i>Sensors</i> , 2013, 13, 7104-7120.	3.8	4
21	New System for Measuring Impact Vibration on Floor Decking Sheets. <i>Sensors</i> , 2015, 15, 635-641.	3.8	4
22	Amorphous piezoresistive and piezoelectric sensors for robotics applications. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011, 8, 3175-3178.	0.8	3
23	Microscope Stand for the Measurement and Characterization of Amorphous Ferromagnetic Materials. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-7.	4.7	3
24	Estudio del comportamiento de los morteros reciclados frente al ruido de impacto. <i>Informes De La Construcción</i> , 2019, 71, 292.	0.3	3
25	Circular Building Process: Reuse of Insulators from Construction and Demolition Waste to Produce Lime Mortars. <i>Buildings</i> , 2022, 12, 220.	3.1	3
26	Arduino based monitoring system for materials used in façade rehabilitation – Experimental study with lime mortars. <i>Case Studies in Construction Materials</i> , 2022, 16, e00985.	1.7	3
27	Transmission of Impact Vibration on Concrete and Mortar Sheets. <i>Shock and Vibration</i> , 2015, 2015, 1-6.	0.6	2
28	Automatic System for Detection and Positioning of Impacts in Metals Based on Arduino. <i>Shock and Vibration</i> , 2019, 2019, 1-7.	0.6	2
29	Magnetic variation in construction steels under tensile stress. Empirical research with Helmholtz coils. <i>Materiales De Construcción</i> , 2021, 71, e243.	0.7	2
30	New system for vibrating and orientation of steel fibers in masonry mortars. <i>Journal of Building Engineering</i> , 2021, 43, 102827.	3.4	2
31	BUILDING ENERGY PERFORMANCE CERTIFICATING INFLUENCE OVER THE RESULTS OF DOMESTIC HOT WATER PARAMETER. <i>Dyna (Spain)</i> , 2020, 95, 257-260.	0.2	2
32	ALTERNATIVE TEST FOR THE DETERMINATION OF THE SETTING TIME. CAPACITIVE AND RESISTIVE METHOD. <i>Dyna (Spain)</i> , 2020, 95, 294-298.	0.2	2
33	Inequalities in the Exercise and Continuity in Building Engineering in Spain. Factor Analysis Including Gender Perspective. <i>Sustainability</i> , 2021, 13, 5514.	3.2	1
34	Low-Cost Sensors for Determining the Variation in Interior Moisture Content in Gypsum Composite Materials. <i>Materials</i> , 2020, 13, 5831.	2.9	1
35	EVOLUTION OF THE MATERIALS USED IN DOMESTIC HOT WATER DISTRIBUTION SYSTEMS. <i>Dyna (Spain)</i> , 2019, 94, 390-394.	0.2	1
36	RESEARCH-BASED LEARNING: AN APPLICATION FOR GRADUATE AND POSTGRADUATE STUDENTS IN BUILDING. <i>EDULEARN Proceedings</i> , 2020, , .	0.0	1

#	ARTICLE	IF	CITATIONS
37	Waves Measurement System in Vertical Docks Protection. Proceedings (mdpi), 2016, 1, .	0.2	0
38	THE ROLE OF EMOTIONS. CASE STUDY WITH ENGINEERING STUDENTS. EDULEARN Proceedings, 2021, , .	0.0	0
39	Prototipo de Cubierta Vegetal Autosostenible para la mejora de la Eficiencia Energética = Self-Sustaining Green Roof Prototype for the Improvement of Energy Efficiency. Anales De Edificación, 2019, 5, 53.	0.1	0
40	DECISION MAKING AND EDUCATIONAL SCENARIOS AT THE END OF MANDATORY FORMAL EDUCATION. , 2021, , .		0
41	THE IMPLEMENTATION OF THE ETHICS OF CARE IN PRIMARY EDUCATION: A PROPOSAL THROUGH PLANTS. , 2020, , .		0
42	PROJECT-BASED LEARNING: FUNDAMENTS AND APPLICATION IN ENGINEERING STUDENTS. , 2020, , .		0
43	SIMULATION TOOLS AS SUPPORT TO ONLINE TEACHING IN VOCATIONAL TRAINING. , 2021, , .		0
44	Analysis of domestic hot water in residential buildings in Spain. Science and Technology for the Built Environment, 2022, 28, 1227-1236.	1.7	0