Fernando J GarcÃ-a-Diego

List of Publications by Year
in descending order

42 papers	655 citations	687363 13 h-index	610901 24 g-index
44 all docs	44 docs citations	44 times ranked	690 citing authors

#	Article	IF	Citations
1	A Statistical Approach for A-Posteriori Deployment of Microclimate Sensors in Museums: A Case Study. Sensors, 2022, 22, 4547.	3.8	3
2	A Methodology for Discriminant Time Series Analysis Applied to Microclimate Monitoring of Fresco Paintings. Sensors, 2021, 21, 436.	3.8	9
3	Multivariate Time Series Analysis of Temperatures in the Archaeological Museum of Lâ€™Almoina (Valencia, Spain). Sensors, 2021, 21, 4377.	3.8	4
4	Spectral Relative Attenuation of Solar Radiation through a Skylight Focused on Preventive Conservation: Museo De Lâ€™almoina in Valencia (Spain) Case Study. Sensors, 2021, 21, 4651.	3.8	2
5	Characterization of Temperature Gradients According to Height in a Baroque Church by Means of Wireless Sensors. Sensors, 2021, 21, 6921.	3.8	2
6	Multivariate Characterization of Temperature Fluctuations in a Historical Building Using Energy-Efficient IoT Wireless Sensors. Sensors, 2021, 21, 7795.	3.8	4
7	A Methodology for the Multi-Point Characterization of Short-Term Temperature Fluctuations in Complex Microclimates Based on the European Standard EN 15757:2010: Application to the Archaeological Museum of Lâ€™Almoina (Valencia, Spain). Sensors, 2021, 21, 7754.	3.8	3
8	Investigation on the Use of Passive Microclimate Frames in View of the Climate Change Scenario. Climate, 2019, 7, 98.	2.8	12
9	Characterization of Simple and Double Yeast Cells Using Dielectrophoretic Force Measurement. Sensors, 2019, 19, 3813.	3.8	5
10	Thermal Shock Response of Yeast Cells Characterised by Dielectrophoresis Force Measurement. Sensors, 2019, 19, 5304.	3.8	5
11	An energy-efficient internet of things (IoT) architecture for preventive conservation of cultural heritage. Future Generation Computer Systems, 2018, 81, 566-581.	7.5	88
12	A Portable Dynamic Laser Speckle System for Sensing Long-Term Changes Caused by Treatments in Painting Conservation. Sensors, 2018, 18, 190.	3.8	10
13	High Frequency Data Acquisition System for Modelling the Impact of Visitors on the Thermo-Hygrometric Conditions of Archaeological Sites: A Casa di Diana (Ostia Antica, Italy) Case Study. Sensors, 2018, 18, 348.	3.8	11
14	Effect of gestational and lactational exposure to heat stress on performance in rabbits. World Rabbit Science, 2017, 25, 17.	0.6	16
15	Assessment of the Minimum Sampling Frequency to Avoid Measurement Redundancy in Microclimate Field Surveys in Museum Buildings. Sensors, 2016, 16, 1291.	3.8	20
16	Quantitative non-invasive method for damage evaluation in frescoes: Ariadneâ€™s House (Pompeii, Italy). Environmental Earth Sciences, 2016, 75, 1.	2.7	9
17	Measurement and Numerical Simulation of Air Velocity in a Tunnel-Ventilated Broiler House. Sustainability, 2015, 7, 2066-2085.	3.2	26
18	Design of a Hybrid (Wired/Wireless) Acquisition Data System for Monitoring of Cultural Heritage Physical Parameters in Smart Cities. Sensors, 2015, 15, 7246-7266.	3.8	22

#	Article	IF	Citations
19	Foetal and postnatal exposure to high temperatures alter growth pattern but do not modify reproductive function in male rabbits. International Journal of Hyperthermia, 2014, 30, 86-95.	2.5	1
20	Different resource allocation strategies result from selection for litter size at weaning in rabbit does. Animal, 2014, 8, 618-628.	3.3	12
21	Statistical Tools Applied in the Characterisation and Evaluation of a Thermo-Hygrometric Corrective Action Carried out at the Noheda Archaeological Site (Noheda, Spain). Sensors, 2014, 14, 1665-1679.	3.8	8
22	Effect of Exposure to Heatwave During Blastocyst Formation on Reproductive Performance of Female Rabbits. Reproduction in Domestic Animals, 2014, 49, 629-635.	1.4	2
23	Diagnosis of abnormal patterns in multivariate microclimate monitoring: A case study of an open-air archaeological site in Pompeii (Italy). Science of the Total Environment, 2014, 488-489, 14-25.	8.0	22
24	Characterisation of thermo-hygrometric conditions of an archaeological site affected by unlike boundary weather conditions. Building and Environment, 2014, 76, 125-133.	6.9	14
25	Evaluation of corrective measures implemented for the preventive conservation of fresco paintings in Ariadneâ€™s house (Pompeii, Italy). Chemistry Central Journal, 2013, 7, 87.	2.6	9
26	Software for Storage and Management of Microclimatic Data for Preventive Conservation of Cultural Heritage. Sensors, 2013, 13, 2700-2718.	3.8	9
27	Representation of a mathematical model to predict methane output in dairy goats. Computers and Electronics in Agriculture, 2013, 91, 1-9.	7.7	4
28	Maternal Exposure to High Temperatures Disrupts <scp>OCT</scp>4 <scp>mRNA</scp> Expression of Rabbit Preâ€Implantation Embryos and Endometrial Tissue. Reproduction in Domestic Animals, 2013, 48, 429-434.	1.4	7
29	Exploring Ventilation Efficiency in Poultry Buildings: The Validation of Computational Fluid Dynamics (CFD) in a Cross-Mechanically Ventilated Broiler Farm. Energies, 2013, 6, 2605-2623.	3.1	50
30	Study of the Effect of the Strategy of Heating on the Mudejar Church of Santa Maria in Ateca (Spain) for Preventive Conservation of the Altarpiece Surroundings. Sensors, 2013, 13, 11407-11423.	3.8	12
31	Multivariate Thermo-Hygrometric Characterisation of the Archaeological Site of Plaza de lâ€™Almoina (Valencia, Spain) for Preventive Conservation. Sensors, 2013, 13, 9729-9746.	3.8	12
32	Array of Hall Effect Sensors for Linear Positioning of a Magnet Independently of Its Strength Variation. A Case Study: Monitoring Milk Yield during Milking in Goats. Sensors, 2013, 13, 8000-8012.	3.8	6
33	Pinturas murales de la casa de Ariadna (Pompeya, Italia): Un estudio multidisciplinar de su estado actual enfocado a una futura restauraciÃ³n y conservaciÃ³n preventiva. Materiales De Construccion, 2013, 63, 449-467.	0.7	20
34	Multisensor System for Isotemporal Measurements to Assess Indoor Climatic Conditions in Poultry Farms. Sensors, 2012, 12, 5752-5774.	3.8	21
35	Development of a Low-Cost Airborne Ultrasound Sensor for the Detection of Brick Joints behind a Wall Painting. Sensors, 2012, 12, 1299-1311.	3.8	12
36	How selection for reproduction or foundation for longevity could have affected blood lymphocyte populations of rabbit does under conventional and heat stress conditions. Veterinary Immunology and Immunopathology, 2012, 150, 53-60.	1.2	12

#	ARTICLE	IF	CITATIONS
37	Microclimate monitoring of Ariadneâ€™s house (Pompeii, Italy) for preventive conservation of fresco paintings. Chemistry Central Journal, 2012, 6, 145.	2.6	41
38	Determination of methane production from lactating goats fed diets with different starch levels. , 2012, , .		0
39	Long-Term Monitoring of Fresco Paintings in the Cathedral of Valencia (Spain) Through Humidity and Temperature Sensors in Various Locations for Preventive Conservation. Sensors, 2011, 11, 8685-8710.	3.8	38
40	Technical Note: Design of a large variable temperature chamber for heat stress studies in rabbits.. World Rabbit Science, 2011, 19, .	0.6	13
41	Microclimate monitoring by multivariate statistical control: The renaissance frescoes of the Cathedral of Valencia (Spain). Journal of Cultural Heritage, 2010, 11, 339-344.	3.3	54
42	Dielectrophoretic motion of oblate spheroidal particles. Measurements of motion of red blood cells using the Stokes method. Journal Physics D: Applied Physics, 1998, 31, 1745-1751.	2.8	25