

# Fernando J Garc a-Diego

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

655  
citations

686830

13  
h-index

610482

24  
g-index

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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. <i>Sensors</i> , 2022, 22, 4547.  | 2.1 | 3         |
| 2  | A Methodology for Discriminant Time Series Analysis Applied to Microclimate Monitoring of Fresco Paintings. <i>Sensors</i> , 2021, 21, 436.  | 2.1 | 9         |
| 3  | Multivariate Time Series Analysis of Temperatures in the Archaeological Museum of L'Almoina (Valencia, Spain). <i>Sensors</i> , 2021, 21, 4377.  | 2.1 | 4         |
| 4  | Spectral Relative Attenuation of Solar Radiation through a Skylight Focused on Preventive Conservation: Museo De L'Almoina in Valencia (Spain) Case Study. <i>Sensors</i> , 2021, 21, 4651.  | 2.1 | 2         |
| 5  | Characterization of Temperature Gradients According to Height in a Baroque Church by Means of Wireless Sensors. <i>Sensors</i> , 2021, 21, 6921.   | 2.1 | 2         |
| 6  | Multivariate Characterization of Temperature Fluctuations in a Historical Building Using Energy-Efficient IoT Wireless Sensors. <i>Sensors</i> , 2021, 21, 7795.   | 2.1 | 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 L'Almoina (Valencia, Spain). <i>Sensors</i> , 2021, 21, 7754. | 2.1 | 3         |
| 8  | Investigation on the Use of Passive Microclimate Frames in View of the Climate Change Scenario. <i>Climate</i> , 2019, 7, 98.  | 1.2 | 12        |
| 9  | Characterization of Simple and Double Yeast Cells Using Dielectrophoretic Force Measurement. <i>Sensors</i> , 2019, 19, 3813.  | 2.1 | 5         |
| 10 | Thermal Shock Response of Yeast Cells Characterised by Dielectrophoresis Force Measurement. <i>Sensors</i> , 2019, 19, 5304.   | 2.1 | 5         |
| 11 | An energy-efficient internet of things (IoT) architecture for preventive conservation of cultural heritage. <i>Future Generation Computer Systems</i> , 2018, 81, 566-581.   | 4.9 | 88        |
| 12 | A Portable Dynamic Laser Speckle System for Sensing Long-Term Changes Caused by Treatments in Painting Conservation. <i>Sensors</i> , 2018, 18, 190.   | 2.1 | 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. <i>Sensors</i> , 2018, 18, 348.  | 2.1 | 11        |
| 14 | Effect of gestational and lactational exposure to heat stress on performance in rabbits. <i>World Rabbit Science</i> , 2017, 25, 17.   | 0.1 | 16        |
| 15 | Assessment of the Minimum Sampling Frequency to Avoid Measurement Redundancy in Microclimate Field Surveys in Museum Buildings. <i>Sensors</i> , 2016, 16, 1291.   | 2.1 | 20        |
| 16 | Quantitative non-invasive method for damage evaluation in frescoes: Ariadne's House (Pompeii, Italy). <i>Environmental Earth Sciences</i> , 2016, 75, 1.   | 1.3 | 9         |
| 17 | Measurement and Numerical Simulation of Air Velocity in a Tunnel-Ventilated Broiler House. <i>Sustainability</i> , 2015, 7, 2066-2085.   | 1.6 | 26        |
| 18 | Design of a Hybrid (Wired/Wireless) Acquisition Data System for Monitoring of Cultural Heritage Physical Parameters in Smart Cities. <i>Sensors</i> , 2015, 15, 7246-7266.   | 2.1 | 22        |

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|----|--|-----|-----------|
| 19 | Foetal and postnatal exposure to high temperatures alter growth pattern but do not modify reproductive function in male rabbits. <i>International Journal of Hyperthermia</i> , 2014, 30, 86-95.   | 1.1 | 1         |
| 20 | Different resource allocation strategies result from selection for litter size at weaning in rabbit does. <i>Animal</i> , 2014, 8, 618-628.  | 1.3 | 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). <i>Sensors</i> , 2014, 14, 1665-1679.                                | 2.1 | 8         |
| 22 | Effect of Exposure to Heatwave During Blastocyst Formation on Reproductive Performance of Female Rabbits. <i>Reproduction in Domestic Animals</i> , 2014, 49, 629-635.   | 0.6 | 2         |
| 23 | Diagnosis of abnormal patterns in multivariate microclimate monitoring: A case study of an open-air archaeological site in Pompeii (Italy). <i>Science of the Total Environment</i> , 2014, 488-489, 14-25.                                    | 3.9 | 22        |
| 24 | Characterisation of thermo-hygrometric conditions of an archaeological site affected by unlike boundary weather conditions. <i>Building and Environment</i> , 2014, 76, 125-133.   | 3.0 | 14        |
| 25 | Evaluation of corrective measures implemented for the preventive conservation of fresco paintings in Ariadne's house (Pompeii, Italy). <i>Chemistry Central Journal</i> , 2013, 7, 87.   | 2.6 | 9         |
| 26 | Software for Storage and Management of Microclimatic Data for Preventive Conservation of Cultural Heritage. <i>Sensors</i> , 2013, 13, 2700-2718.  | 2.1 | 9         |
| 27 | Representation of a mathematical model to predict methane output in dairy goats. <i>Computers and Electronics in Agriculture</i> , 2013, 91, 1-9.  | 3.7 | 4         |
| 28 | Maternal Exposure to High Temperatures Disrupts OCT4 mRNA Expression of Rabbit Preimplantation Embryos and Endometrial Tissue. <i>Reproduction in Domestic Animals</i> , 2013, 48, 429-434.  | 0.6 | 7         |
| 29 | Exploring Ventilation Efficiency in Poultry Buildings: The Validation of Computational Fluid Dynamics (CFD) in a Cross-Mechanically Ventilated Broiler Farm. <i>Energies</i> , 2013, 6, 2605-2623.   | 1.6 | 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. <i>Sensors</i> , 2013, 13, 11407-11423.                                       | 2.1 | 12        |
| 31 | Multivariate Thermo-Hygrometric Characterisation of the Archaeological Site of Plaza de l'Almoina (Valencia, Spain) for Preventive Conservation. <i>Sensors</i> , 2013, 13, 9729-9746.   | 2.1 | 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. <i>Sensors</i> , 2013, 13, 8000-8012.                                    | 2.1 | 6         |
| 33 | Pinturas murales de la casa de Ariadna (Pompeya, Italia): Un estudio multidisciplinar de su estado actual enfocado a una futura restauración y conservación preventiva. <i>Materiales De Construccion</i> , 2013, 63, 449-467.                 | 0.2 | 20        |
| 34 | Multisensor System for Isotemporal Measurements to Assess Indoor Climatic Conditions in Poultry Farms. <i>Sensors</i> , 2012, 12, 5752-5774.   | 2.1 | 21        |
| 35 | Development of a Low-Cost Airborne Ultrasound Sensor for the Detection of Brick Joints behind a Wall Painting. <i>Sensors</i> , 2012, 12, 1299-1311.   | 2.1 | 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. <i>Veterinary Immunology and Immunopathology</i> , 2012, 150, 53-60. | 0.5 | 12        |

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|----|--|-----|-----------|
| 37 | Microclimate monitoring of Ariadne'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. | 2.1 | 38        |
| 40 | Technical Note: Design of a large variable temperature chamber for heat stress studies in rabbits.. World Rabbit Science, 2011, 19, .  | 0.1 | 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.                           | 1.5 | 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.                   | 1.3 | 25        |