

Roberto Alonso Gonzalez-Lezcano

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

589
citations

567281
15
h-index

713466
21
g-index

63
all docs

63
docs citations

63
times ranked

474
citing authors

#	ARTICLE	IF	CITATIONS
1	Bad Air Can Also Kill: Residential Indoor Air Quality and Pollutant Exposure Risk during the COVID-19 Crisis. International Journal of Environmental Research and Public Health, 2020, 17, 7183.	2.6	92
2	Airtightness of residential buildings in the Continental area of Spain. Building and Environment, 2019, 148, 299-308.	6.9	45
3	Passive Design Strategies for Residential Buildings in Different Spanish Climate Zones. Sustainability, 2019, 11, 4816.	3.2	36
4	Ventilation rate determination method for residential buildings according to TVOC emissions from building materials. Building and Environment, 2017, 123, 555-563.	6.9	27
5	Methodology for the Study of the Envelope Airtightness of Residential Buildings in Spain: A Case Study. Energies, 2018, 11, 704.	3.1	26
6	Towards a Sustainable Indoor Lighting Design: Effects of Artificial Light on the Emotional State of Adolescents in the Classroom. Sustainability, 2020, 12, 4263.	3.2	25
7	The Effect of Basalt Fiber on Mechanical, Microstructural, and High-Temperature Properties of Fly Ash-Based and Basalt Powder Waste-Filled Sustainable Geopolymer Mortar. Sustainability, 2021, 13, 12610.	3.2	24
8	Blue-Light Levels Emitted from Portable Electronic Devices Compared to Sunlight. Energies, 2020, 13, 4276.	3.1	22
9	Experimental validation of the age-of-the-air CFD analysis: A case study. Science and Technology for the Built Environment, 2018, 24, 994-1003.	1.7	20
10	The Relationship between the Use of Building Performance Simulation Tools by Recent Graduate Architects and the Deficiencies in Architectural Education. Energies, 2020, 13, 1134.	3.1	20
11	The use of gamification in higher technical education: perception of university students on innovative teaching materials. International Journal of Technology and Design Education, 2021, 31, 1019-1038.	2.6	20
12	Computational fluid dynamics evaluation of the furniture arrangement for ventilation efficiency. Building Services Engineering Research and Technology, 2018, 39, 557-571.	1.8	19
13	Assessment of Indoor Air Quality in Residential Buildings of New England through Actual Data. Sustainability, 2022, 14, 739.	3.2	19
14	Application and Validation of a Dynamic Energy Simulation Tool: A Case Study with Water Flow Glazing Envelope. Energies, 2020, 13, 3203.	3.1	18
15	Possible Effects on Health of Ultrasound Exposure, Risk Factors in the Work Environment and Occupational Safety Review. Healthcare (Switzerland), 2022, 10, 423.	2.0	18
16	Influence of Solar Reflectance and Renewable Energies on Residential Heating and Cooling Demand in Sustainable Architecture: A Case Study in Different Climate Zones in Spain Considering Their Urban Contexts. Sustainability, 2019, 11, 6782.	3.2	16
17	Assessment of the ventilation efficiency in the breathing zone during sleep through computational fluid dynamics techniques. Journal of Building Physics, 2019, 42, 458-483.	2.4	10
18	MgO-Based Cementitious Composites for Sustainable and Energy Efficient Building Design. Sustainability, 2021, 13, 9188.	3.2	10

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19	Effects of infrasound on health: looking for improvements in housing conditions. International Journal of Occupational Safety and Ergonomics, 2022, 28, 809-823.	1.9	9
20	Building performance simulation tools as part of architectural design: breaking the gap through software simulation. International Journal of Technology and Design Education, 2022, 32, 1227-1245.	2.6	9
21	Numerical analysis of the influence of the damping rings's dimensions on interrupted dynamic tension experiment results. Journal of Strain Analysis for Engineering Design, 2015, 50, 594-613.	1.8	8
22	Energy saving due to natural ventilation in housing blocks in Madrid. IOP Conference Series: Materials Science and Engineering, 2016, 138, 012002.	0.6	7
23	Nominal risk analysis of the blue light from LED luminaires in indoor lighting design. Optik, 2020, 223, 165599.	2.9	7
24	Pandemic of Childhood Myopia. Could New Indoor LED Lighting Be Part of the Solution?. Energies, 2021, 14, 3827.	3.1	7
25	Airflow Analysis of the Haida Plank House, a Breathing Envelope. Energies, 2021, 14, 4871.	3.1	6
26	Numerical analysis of interruption process of dynamic tensile tests using a Hopkinson bar. European Physical Journal Special Topics, 2003, 110, 565-570.	0.2	5
27	The Sedentary Process and the Evolution of Energy Consumption in Eight Native American Dwellings: Analyzing Sustainability in Traditional Architecture. Sustainability, 2020, 12, 1810.	3.2	5
28	Influence of Damping Ring Material on Dynamic Tensile Tests. International Journal of Engineering and Technology, 2017, 9, 1107-1120.	0.1	5
29	Numerical analysis of the influence of the damping rings' thickness on interrupted dynamic tension results using SiC-reinforced ZC71 magnesium alloy specimens. Mechanical Sciences, 2019, 10, 169-186.	1.0	5
30	Phacoemulsification: Proposals for Improvement in Its Application. Healthcare (Switzerland), 2021, 9, 1603.	2.0	5
31	Influence of the fastening between thread's test samples in the stress's strain curves in tensile dynamic tests. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	1.6	4
32	Fique as a Sustainable Material and Thermal Insulation for Buildings: Study of Its Decomposition and Thermal Conductivity. Sustainability, 2021, 13, 7484.	3.2	4
33	Indoor Lighting Workplaces. Advances in Civil and Industrial Engineering Book Series, 2021, , 243-258.	0.2	4
34	Photometric and colorimetric analysis of light emitting diode luminaires for interior lighting design. Color Research and Application, 2021, 46, 791-807.	1.6	3
35	The Importance of Light in Our Lives. Impact of Meat Consumption on Health and Environmental Sustainability, 2021, , 239-256.	0.4	3
36	Validation of a Mathematical Model Applied to Four Autonomous Communities in Spain to Determine the Number of People Infected by Covid-19. Modern Applied Science, 2020, 14, 110.	0.6	3

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37	Proposing a New Methodology for Monument Conservation “SCOPE MANAGEMENT” by the Use of an Analytic Hierarchy Process Project Management Institute System and the ICOMOS Burra Charter. Sustainability, 2021, 13, 13174.	3.2	3
38	Investigation of the Mechanical, Microstructure and 3D Fractal Analysis of Nanocalcite-Modified Environmentally Friendly and Sustainable Cementitious Composites. Buildings, 2022, 12, 36.	3.1	3
39	Influencia de la geometría del proyectil en ensayos dinámicos de tracción. Revista Materia, 2019, 24, .	0.2	2
40	Poor Ventilation Habits in Nursing Homes Have Favoured a High Number of COVID-19 Infections. Sustainability, 2021, 13, 11898.	3.2	2
41	Identification of ‘Defects’ in Epoxy Matrix Composites and Carbon Fiber by Ultrasound. Interaction of the Ultrasonic Beam with the Material. Modern Applied Science, 2020, 15, 32.	0.6	2
42	Building Performance Simulations and Architects against Climate Change and Energy Resource Scarcity. Earth, 2022, 3, 31-44.	2.2	2
43	Structural Behaviour Benefits of a Hybrid Steel-bamboo Emergency House. Journal of Green Engineering (discontinued), 2018, 8, 339-358.	0.7	1
44	Biophysical methods for locating the resonance frequency of the virus. Key factor in the fight against Covid-19. Contemporary Engineering Sciences, 2020, 13, 233-245.	0.2	1
45	Influence of envelope colour on energy saving in different climate zones in an emergency house. Contemporary Engineering Sciences, 2020, 13, 69-87.	0.2	1
46	Mathematical Model and Data Analysis to Determine the Number of Confirmed Infections Due to Covid-19 in Spain. Modern Applied Science, 2020, 14, 60.	0.6	1
47	Influence of strain rate on metal matrix composites. Contemporary Engineering Sciences, 2020, 13, 103-111.	0.2	1
48	Optimisation of heat loss in cities in different climatic zones in a Mediterranean climate. Contemporary Engineering Sciences, 2020, 13, 187-198.	0.2	1
49	The Water Cycle in the Smart Cities Environment. Advances in Information Security, Privacy, and Ethics Book Series, 2020, , 132-160.	0.5	1
50	Suitability of blue light filters for eye care. European Physical Journal Plus, 2022, 137, .	2.6	1
51	Didactics and sustainability. A different paradigm in the search for other ideas: dynamic architecture. Contemporary Engineering Sciences, 2021, 14, 11-22.	0.2	0
52	Sustainability in the urban water cycle in sustainable cities. Contemporary Engineering Sciences, 2021, 14, 23-34.	0.2	0
53	Nursing Homes in Spain and Their High Number of Deaths by COVID-19 as an Alarm in the Study of Indoor Air Quality. Impact of Meat Consumption on Health and Environmental Sustainability, 2021, , 118-145.	0.4	0
54	Managing Sustainability through Risk Characterization in the Built Environment. International Journal of Sustainability Policy and Practice, 2013, 8, 107-116.	0.1	0

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55	Architectural Considerations and Design Principles Affecting Human Health and Applied to an Emergency House Prototype. International Journal of Design in Society, 2016, 10, 11-22.	0.1	0
56	Acondicionamiento higrotérmico en un módulo urbano mediante cicloenergía eléctrica de propulsión humana para climas cálidos. Architecture, City and Environment, 2019, 14, 185.	0.1	0
57	Do we live inside a complex hologram? Ideas and theories about a new perspective. Contemporary Engineering Sciences, 2020, 13, 323-333.	0.2	0
58	The search for 'defects' by non-invasive techniques: development and application of pulsed-transmissive and reflective thermography in fiberglass material. Contemporary Engineering Sciences, 2020, 13, 39-58.	0.2	0
59	Humanity struggles in an agonizing sprint to the finish line: finding a vaccine for Covid-19. Contemporary Engineering Sciences, 2020, 13, 211-232.	0.2	0
60	Green Infrastructure as a Nature-Based Recovery Strategy for Natural Areas in Desert Developing Countries of the South Pacific Coastal Strip. Advances in Environmental Engineering and Green Technologies Book Series, 2022, , 79-93.	0.4	0