

Roberto Alonso Gonzalez-Lezcano

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

589
citations

566801

15
h-index

713013

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. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 7183.	1.2	92
2	Airtightness of residential buildings in the Continental area of Spain. <i>Building and Environment</i> , 2019, 148, 299-308.	3.0	45
3	Passive Design Strategies for Residential Buildings in Different Spanish Climate Zones. <i>Sustainability</i> , 2019, 11, 4816.	1.6	36
4	Ventilation rate determination method for residential buildings according to TVOC emissions from building materials. <i>Building and Environment</i> , 2017, 123, 555-563.	3.0	27
5	Methodology for the Study of the Envelope Airtightness of Residential Buildings in Spain: A Case Study. <i>Energies</i> , 2018, 11, 704.	1.6	26
6	Towards a Sustainable Indoor Lighting Design: Effects of Artificial Light on the Emotional State of Adolescents in the Classroom. <i>Sustainability</i> , 2020, 12, 4263.	1.6	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. <i>Sustainability</i> , 2021, 13, 12610.	1.6	24
8	Blue-Light Levels Emitted from Portable Electronic Devices Compared to Sunlight. <i>Energies</i> , 2020, 13, 4276.	1.6	22
9	Experimental validation of the age-of-the-air CFD analysis: A case study. <i>Science and Technology for the Built Environment</i> , 2018, 24, 994-1003.	0.8	20
10	The Relationship between the Use of Building Performance Simulation Tools by Recent Graduate Architects and the Deficiencies in Architectural Education. <i>Energies</i> , 2020, 13, 1134.	1.6	20
11	The use of gamification in higher technical education: perception of university students on innovative teaching materials. <i>International Journal of Technology and Design Education</i> , 2021, 31, 1019-1038.	1.7	20
12	Computational fluid dynamics evaluation of the furniture arrangement for ventilation efficiency. <i>Building Services Engineering Research and Technology</i> , 2018, 39, 557-571.	0.9	19
13	Assessment of Indoor Air Quality in Residential Buildings of New England through Actual Data. <i>Sustainability</i> , 2022, 14, 739.	1.6	19
14	Application and Validation of a Dynamic Energy Simulation Tool: A Case Study with Water Flow Glazing Envelope. <i>Energies</i> , 2020, 13, 3203.	1.6	18
15	Possible Effects on Health of Ultrasound Exposure, Risk Factors in the Work Environment and Occupational Safety Review. <i>Healthcare (Switzerland)</i> , 2022, 10, 423.	1.0	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. <i>Sustainability</i> , 2019, 11, 6782.	1.6	16
17	Assessment of the ventilation efficiency in the breathing zone during sleep through computational fluid dynamics techniques. <i>Journal of Building Physics</i> , 2019, 42, 458-483.	1.2	10
18	MgO-Based Cementitious Composites for Sustainable and Energy Efficient Building Design. <i>Sustainability</i> , 2021, 13, 9188.	1.6	10

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19	Effects of infrasound on health: looking for improvements in housing conditions. <i>International Journal of Occupational Safety and Ergonomics</i> , 2022, 28, 809-823.	1.1	9
20	Building performance simulation tools as part of architectural design: breaking the gap through software simulation. <i>International Journal of Technology and Design Education</i> , 2022, 32, 1227-1245.	1.7	9
21	Numerical analysis of the influence of the damping rings'™ dimensions on interrupted dynamic tension experiment results. <i>Journal of Strain Analysis for Engineering Design</i> , 2015, 50, 594-613.	1.0	8
22	Energy saving due to natural ventilation in housing blocks in Madrid. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 138, 012002.	0.3	7
23	Nominal risk analysis of the blue light from LED luminaires in indoor lighting design. <i>Optik</i> , 2020, 223, 165599.	1.4	7
24	Pandemic of Childhood Myopia. Could New Indoor LED Lighting Be Part of the Solution?. <i>Energies</i> , 2021, 14, 3827.	1.6	7
25	Airflow Analysis of the Haida Plank House, a Breathing Envelope. <i>Energies</i> , 2021, 14, 4871.	1.6	6
26	Numerical analysis of interruption process of dynamic tensile tests using a Hopkinson bar. <i>European Physical Journal Special Topics</i> , 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. <i>Sustainability</i> , 2020, 12, 1810.	1.6	5
28	Influence of Damping Ring Material on Dynamic Tensile Tests. <i>International Journal of Engineering and Technology</i> , 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. <i>Mechanical Sciences</i> , 2019, 10, 169-186.	0.5	5
30	Phacoemulsification: Proposals for Improvement in Its Application. <i>Healthcare (Switzerland)</i> , 2021, 9, 1603.	1.0	5
31	Influence of the fastening between thread' test samples in the stress' strain curves in tensile dynamic tests. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020, 42, 1.	0.8	4
32	Fique as a Sustainable Material and Thermal Insulation for Buildings: Study of Its Decomposition and Thermal Conductivity. <i>Sustainability</i> , 2021, 13, 7484.	1.6	4
33	Indoor Lighting Workplaces. <i>Advances in Civil and Industrial Engineering Book Series</i> , 2021, , 243-258.	0.2	4
34	Photometric and colorimetric analysis of light emitting diode luminaires for interior lighting design. <i>Color Research and Application</i> , 2021, 46, 791-807.	0.8	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. <i>Modern Applied Science</i> , 2020, 14, 110.	0.4	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.	1.6	3
38	Investigation of the Mechanical, Microstructure and 3D Fractal Analysis of Nanocalcite-Modified Environmentally Friendly and Sustainable Cementitious Composites. Buildings, 2022, 12, 36.	1.4	3
39	Influencia de la geometr�a del proyectil en ensayos din�micos de tracci�n. Revista Materia, 2019, 24, .	0.1	2
40	Poor Ventilation Habits in Nursing Homes Have Favoured a High Number of COVID-19 Infections. Sustainability, 2021, 13, 11898.	1.6	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.	0.4	2
42	Building Performance Simulations and Architects against Climate Change and Energy Resource Scarcity. Earth, 2022, 3, 31-44.	0.9	2
43	Structural Behaviour Benefits of a HybridSteel-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.	0.4	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.	0.4	1
50	Suitability of blue light filters for eye care. European Physical Journal Plus, 2022, 137, .	1.2	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.	0.3	0