

Madelyn Marrero

List of Publications by Year in descending order

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70
papers

1,719
citations

394390

19
h-index

289230

40
g-index

76
all docs

76
docs citations

76
times ranked

1319
citing authors

#	ARTICLE	IF	CITATIONS
1	Water Footprint of the Life Cycle of Buildings: Case Study in Andalusia, Spain. Green Energy and Technology, 2022, , 135-165.	0.6	5
2	Life Cycle Assessment of Industrial Building Construction and Recovery Potential. Case Studies in Seville. Processes, 2022, 10, 76.	2.8	6
3	Evaluation of water footprint of urban renewal projects. Case study in Seville, Andalusia. Water Research, 2022, 221, 118715.	11.3	7
4	Glazing selection procedure for office building retrofitting in the Mediterranean climate in Spain. Journal of Building Engineering, 2021, 33, 101448.	3.4	5
5	Ecological Footprint of the Life Cycle of Buildings. Environmental Footprints and Eco-design of Products and Processes, 2021, , 1-39.	1.1	3
6	The Budget as a Basis for Ecological Management of Urbanization Projects. Case Study in Seville, Spain. Sustainability, 2021, 13, 4078.	3.2	6
7	Holistic model for the assessment of restoration projects of heritage housing. Case studies in Lisbon. Sustainable Cities and Society, 2021, 67, 102742.	10.4	9
8	Present and Future Energy Poverty, a Holistic Approach: A Case Study in Seville, Spain. Sustainability, 2021, 13, 7866.	3.2	3
9	Energy, environmental and economic analysis of windowsâ€™ retrofit with solar control films: A case study in Mediterranean climate. Energy, 2021, 233, 121083.	8.8	18
10	A Model for the Assessment of the Water Footprint of Gardens that Include Sustainable Urban Drainage Systems (SUDS). Environmental Footprints and Eco-design of Products and Processes, 2021, , 61-102.	1.1	2
11	Environmental benchmarking of building typologies through BIM-based combinatorial case studies. Automation in Construction, 2021, 132, 103980.	9.8	19
12	A novel Index of Vulnerable Homes: Findings from application in Spain. Indoor and Built Environment, 2020, 29, 311-330.	2.8	28
13	Energy poverty goes south? Understanding the costs of energy poverty with the index of vulnerable homes in Spain. Energy Research and Social Science, 2020, 60, 101325.	6.4	70
14	Software for Calculation of Carbon Footprint for Residential Buildings. Environmental Footprints and Eco-design of Products and Processes, 2020, , 55-79.	1.1	3
15	A comparative study on energy demand through the adaptive thermal comfort approach considering climate change in office buildings of Spain. Building Simulation, 2020, 13, 51-63.	5.6	27
16	What are we discarding during the life cycle of a building? Case studies of social housing in Andalusia, Spain. Waste Management, 2020, 102, 391-403.	7.4	19
17	Carbon Footprint of Dwelling Construction in Romania and Spain. A Comparative Analysis with the OERCO2 Tool. Sustainability, 2020, 12, 6745.	3.2	12
18	Assessment Model of End-of-Life Costs and Waste Quantification in Selective Demolitions: Case Studies of Nearly Zero-Energy Buildings. Sustainability, 2020, 12, 6255.	3.2	7

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19	BIM-LCA Integration for the Environmental Impact Assessment of the Urbanization Process. Sustainability, 2020, 12, 4196.	3.2	27
20	The validity of the index of vulnerable homes: evidence from consumers vulnerable to energy poverty in the UK. Energy Sources, Part B: Economics, Planning and Policy, 2020, 15, 72-91.	3.4	22
21	The water footprint of city naturalisation. Evaluation of the water balance of city gardens. Ecological Modelling, 2020, 424, 109031.	2.5	10
22	Life-cycle assessment of nonhazardous construction and demolition waste. Application of carbon footprint indicator. , 2020, , 453-473.		2
23	Midiendo la pobreza energética. Una revisión de indicadores. Habitat Sustentable, 2020, 10, 08-21.	0.3	4
24	A budget for the ecological footprint of buildings is possible: A case study using the dwelling construction cost database of Andalusia. Sustainable Cities and Society, 2019, 51, 101737.	10.4	23
25	Urbanización de viviendas y gestión ecoeficiente de residuos de construcción en Chile: aplicación del modelo español. Ambiente Construido, 2019, 19, 275-294.	0.4	3
26	Transferring the index of vulnerable homes: Application at the local-scale in England to assess fuel poverty vulnerability. Energy and Buildings, 2019, 203, 109458.	6.7	30
27	HEREVEA Tool for Economic and Environmental Impact Evaluation for Sustainable Planning Policy in Housing Renovation. Sustainability, 2019, 11, 2852.	3.2	12
28	Technical "Social Tandem in Restoration of Buildings under Emergency Conditions: 40 Homes in Spain. Journal of Performance of Constructed Facilities, 2019, 33, .	2.0	1
29	Towards a multiple-indicator approach to energy poverty in the European Union: A review. Energy and Buildings, 2019, 193, 36-48.	6.7	140
30	Environmental and economic assessment of dwelling construction in Spain and Chile. A comparative analysis of two representative case studies. Journal of Cleaner Production, 2019, 208, 621-635.	9.3	16
31	"La influencia del vidrio en el consumo de calefacción, refrigeración e iluminación en rehabilitación de edificios de oficinas bajo clima mediterráneo peninsular (1971-1980) ". Habitat Sustentable, 2019, 9, 68-83.	0.3	1
32	Tools to quantify environmental impact and their application to teaching: projects City-zen and HEREVEA. IOP Conference Series: Materials Science and Engineering, 2018, 399, 012038.	0.6	4
33	Carbon Footprint of Utility Consumption and Cleaning Tasks in Buildings. , 2018, , 229-258.		0
34	Huella de carbono como instrumento de decisión en la rehabilitación energética. Películas de control solar frente a la sustitución de ventanas. Habitat Sustentable, 2018, 8, 20-31.	0.3	4
35	ENERGY TRANSITION FOR THE DECARBONISATION OF URBAN NEIGHBORHOODS: A CASE STUDY IN SEVILLE, SPAIN. WIT Transactions on Ecology and the Environment, 2018, , .	0.0	1
36	Ecological footprint of the use and maintenance phase of buildings: Maintenance tasks and final results. Energy and Buildings, 2017, 155, 339-351.	6.7	37

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37	Building rehabilitation versus demolition and new construction: Economic and environmental assessment. <i>Environmental Impact Assessment Review</i> , 2017, 66, 115-126.	9.2	89
38	Assessing the economic impact and ecological footprint of construction and demolition waste during the urbanization of rural land. <i>Resources, Conservation and Recycling</i> , 2017, 117, 160-174.	10.8	77
39	Waste Management of Emergency Construction Work. Case Study: 40 Dwellings in Seville (Spain). <i>Open Construction and Building Technology Journal</i> , 2017, 11, 110-123.	0.7	4
40	El control adaptativo en instalaciones existentes y su potencial en el contexto del cambio climático.. <i>Habitat Sustentable</i> , 2017, 7, 06-17.	0.3	15
41	Toward the Ecological Footprint of the use and maintenance phase of buildings: Utility consumption and cleaning tasks. <i>Ecological Indicators</i> , 2016, 69, 66-77.	6.3	37
42	LCA databases focused on construction materials: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 58, 565-573.	16.4	207
43	Incorporación de huella de carbono y huella ecológica en las bases de costes de construcción. Estudio de caso de un proyecto de urbanización en Murcia, España. <i>Habitat Sustentable</i> , 2016, 6, 6-17.	0.3	9
44	Recalce en condiciones de emergencia: 40 viviendas cercanas al río Guadalquivir, España. <i>Informes De La Construcción</i> , 2016, 68, e133.	0.3	2
45	Influencia del acristalamiento sobre los parámetros y la calificación energética de acuerdo con la orientación del edificio y los porcentajes de aberturas de fachada = The influence of glazing over the parameters and energy rating according to the building orientation and the facade openings percentages.. <i>Anales De Edificación</i> , 2016, 2, 34.	0.1	0
46	Recycling of Wastes into Construction Materials. <i>Environmental Footprints and Eco-design of Products and Processes</i> , 2015, , 51-78.	1.1	0
47	The ecological footprint of dwelling construction in Spain. <i>Ecological Indicators</i> , 2015, 52, 75-84.	6.3	65
48	A Structure for the Quantity Surveillance of Costs and Environmental Impact of Cleaning and Maintenance in Buildings. , 2015, , 103-118.		4
49	La construcción de edificios residenciales en España en el periodo 2007-2010 y su impacto según el indicador Huella Ecológica. <i>Informes De La Construcción</i> , 2015, 67, e111.	0.3	19
50	Indirect Consumption: Manpower and Construction Materials. , 2015, , 63-92.		0
51	The Ecological Footprint Indicator. , 2015, , 3-25.		0
52	Waste and the Constructed Area. , 2015, , 93-110.		0
53	Direct Consumption: Energy and Water. , 2015, , 36-62.		0
54	The EF of Building Construction. , 2015, , 26-35.		0

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55	Methodology for Determining the Carbon Footprint of the Construction of Residential Buildings. <i>Ecoproduction</i> , 2014, , 49-83.	0.8	7
56	Schedule and Cost Control in Dwelling Construction Using Control Charts. <i>Open Construction and Building Technology Journal</i> , 2014, 8, 63-79.	0.7	8
57	Vertical Greenery Systems as sustainable solutions for building retrofitting: a case study. , 2014, , .		1
58	Recycled blocks with improved sound and fire insulation containing construction and demolition waste. <i>Waste Management</i> , 2013, 33, 663-671.	7.4	43
59	Methodology for determining the ecological footprint of the construction of residential buildings in Andalusia (Spain). <i>Ecological Indicators</i> , 2013, 25, 239-249.	6.3	77
60	Minimizaci3n del impacto ambiental en la ejecuci3n de fachadas mediante el empleo de materiales reciclados. <i>Informes De La Construcci3n</i> , 2013, 65, 89-97.	0.3	15
61	Empleo de paneles compuestos por subproductos de centrales t3rmicas en fachadas trasdosadas. <i>Informes De La Construcci3n</i> , 2012, 64, 179-190.	0.3	4
62	High fire resistance in blocks containing coal combustion fly ashes and bottom ash. <i>Waste Management</i> , 2011, 31, 1783-1789.	7.4	44
63	Demolition Waste Management in Spanish Legislation. <i>Open Construction and Building Technology Journal</i> , 2011, 5, 162-173.	0.7	10
64	The building cost system in Andalusia: application to construction and demolition waste management. <i>Construction Management and Economics</i> , 2010, 28, 495-507.	3.0	45
65	Cuantificaci3n de los recursos materiales consumidos en la ejecuci3n de la cimentaci3n. <i>Informes De La Construcci3n</i> , 2010, 62, 125-132.	0.3	18
66	A Spanish model for quantification and management of construction waste. <i>Waste Management</i> , 2009, 29, 2542-2548.	7.4	271
67	Distribuci3n de tensiones en fachadas de azulejos sujetas a dilataciones t3rmicas. <i>Boletin De La Sociedad Espanola De Ceramica Y Vidrio</i> , 2006, 45, 259-264.	1.9	2
68	Time-domain BEM for three-dimensional fracture mechanics. <i>Engineering Fracture Mechanics</i> , 2004, 71, 1557-1575.	4.3	7
69	Numerical behavior of time domain BEM for three-dimensional transient elastodynamic problems. <i>Engineering Analysis With Boundary Elements</i> , 2003, 27, 39-48.	3.7	33
70	Solid-particle erosion of in situ reinforced Si3N4. <i>Wear</i> , 1993, 162-164, 280-284.	3.1	11