Ricardo Mateus

List of Publications by Year
in descending order

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70 papers	2,187 citations	212478 28 h-index	263392 45 g-index
72 all docs	72 docs citations	72 times ranked	2013 citing authors

#	Article	IF	Citations
1	Selection of Core Indicators for the Sustainable Conservation of Built Heritage. International Journal of Architectural Heritage, 2022, 16, 1047-1062.	1.7	6
2	Environmental Performance of a Cost-Effective Energy Renovation at the Neighbourhood Scaleâ€"The Case for Social Housing in Braga, Portugal. Sustainability, 2022, 14, 1947.	1.6	7
3	Viability Study of the Application of Bi-Block Concrete Sleepers as a Solution for Technical Landfills. Applied Sciences (Switzerland), 2022, 12, 3065.	1.3	2
4	Authors closure to the Discussion of the Review article â€œOptimisation of Compressed earth blocks (CEBs) using natural origin materials: A systematic literature reviewâ€• Construction and Building Materials, 2022, 325, 126888.	3.2	3
5	Sustainability Assessment on an Urban Scale: Context, Challenges, and Most Relevant Indicators. Applied System Innovation, 2022, 5, 41.	2.7	10
6	Analysis of the effect of incorporating construction and demolition waste on the environmental and mechanical performance of earth-based mixtures. Construction and Building Materials, 2022, 330, 127244.	3.2	2
7	Building passport for the sustainable conservation of built heritage. Journal of Cultural Heritage Management and Sustainable Development, 2022, ahead-of-print, .	0.5	0
8	Characterisation and Life Cycle Assessment of Pervious Concrete with Recycled Concrete Aggregates. Crystals, 2021, 11, 209.	1.0	13
9	Selection Criteria for Building Materials and Components in Line with the Circular Economy Principles in the Built Environmentâ€"A Review of Current Trends. Infrastructures, 2021, 6, 49.	1.4	29
10	Implementing Circular Economy Strategies in Buildingsâ€"From Theory to Practice. Applied System Innovation, 2021, 4, 26.	2.7	39
11	Sustainable building design: Analysing the feasibility of BIM platforms to support practical building sustainability assessment. Computers in Industry, 2021, 127, 103400.	5.7	44
12	BIM-Based Energy Analysis and Sustainability Assessmentâ€"Application to Portuguese Buildings. Buildings, 2021, 11, 246.	1.4	35
13	Beyond Good Intentions: The Role of the Building Passport for the Sustainable Conservation of Built Heritage to Behavioural Change. Sustainability, 2021, 13, 8280.	1.6	1
14	Attitudes matter: Measuring the intention-behaviour gap in built heritage conservation. Sustainable Cities and Society, 2021, 70, 102913.	5.1	15
15	The Potential of the Reed as a Regenerative Building Materialâ€"Characterisation of Its Durability, Physical, and Thermal Performances. Energies, 2021, 14, 4276.	1.6	11
16	Optimisation of Compressed Earth Blocks (CEBs) using natural origin materials: A systematic literature review. Construction and Building Materials, 2021, 309, 125140.	3.2	44
17	Artificial Neural Networks to Predict the Mechanical Properties of Natural Fibre-Reinforced Compressed Earth Blocks (CEBs). Fibers, 2021, 9, 78.	1.8	7
18	Analysis of the Thermal Performance and Comfort Conditions of Vernacular Rammed Earth Architecture From Southern Portugal. , 2020, , 1-10.		3

#	Article	IF	Citations
19	Environmental Life Cycle Analysis of Earthen Building Materials. , 2020, , 63-68.		11
20	Integrating BIM-Based LCA and Building Sustainability Assessment. Sustainability, 2020, 12, 7468.	1.6	37
21	Going beyond Good Intentions for the Sustainable Conservation of Built Heritage: A Systematic Literature Review. Sustainability, 2020, 12, 9649.	1.6	10
22	A Systematic Review of the Role of BIM in Building Sustainability Assessment Methods. Applied Sciences (Switzerland), 2020, 10, 4444.	1.3	37
23	Thermal Performance and Comfort Conditions Analysis of a Vernacular Palafitic Timber Building in Portuguese Coastline Context. Sustainability, 2020, 12, 10484.	1.6	4
24	Corrigendum to â€œAssessment and communication of the environmental performance of construction products in Europe: Comparison between PEF and EN 15804 compliant EPD schemesâ€•[Resources, Conservation and Recycling 156 (2020) 104703]. Resources, Conservation and Recycling, 2020, 159, 104859.	5.3	0
25	Mechanical and Thermal Performance Characterisation of Compressed Earth Blocks. Energies, 2020, 13, 2978.	1.6	35
26	Thermal Performance and Comfort Condition Analysis in a Vernacular Building with a Glazed Balcony. Energies, 2020, 13, 624.	1.6	20
27	Assessment and communication of the environmental performance of construction products in Europe: Comparison between PEF and EN 15804 compliant EPD schemes. Resources, Conservation and Recycling, 2020, 156, 104703.	5.3	50
28	Relating carbon and energy intensity of best-performing retailers with policy, strategy and building practice. Energy Efficiency, 2020, 13, 597-619.	1.3	5
29	Current Opportunities and Challenges in the Incorporation of the LCA Method in BIM. Open Construction and Building Technology Journal, 2020, 14, 336-349.	0.3	6
30	Comparison of the environmental assessment of an identical office building with national methods. IOP Conference Series: Earth and Environmental Science, 2019, 323, 012037.	0.2	20
31	Economic valuation of life cycle environmental impacts of construction products - A critical analysis. IOP Conference Series: Earth and Environmental Science, 2019, 323, 012147.	0.2	9
32	Life cycle analysis of environmental impacts of earthen materials in the Portuguese context: Rammed earth and compressed earth blocks. Journal of Cleaner Production, 2019, 241, 118286.	4.6	77
33	Decarbonizing strategies of the retail sector following the Paris Agreement. Energy Policy, 2019, 135, 110999.	4.2	28
34	Passive strategies used in Southern Portugal vernacular rammed earth buildings and their influence in thermal performance. Renewable Energy, 2019, 142, 345-363.	4.3	52
35	Optimising building sustainability assessment using BIM. Automation in Construction, 2019, 102, 170-182.	4.8	120
36	Using BIM to optimise and assess the energy efficiency category of SBToolPT-H. IOP Conference Series: Earth and Environmental Science, 2019, 225, 012072.	0.2	0

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37	Integration of environmental life cycle information in BIM objects according with the level of development. IOP Conference Series: Earth and Environmental Science, 2019, 225, 012075.	0.2	6
38	Contribution of the Vernacular Architecture to the Sustainability: A Comparative Study between the Contemporary Areas and the Old Quarter of a Mediterranean City. Sustainability, 2019, 11, 896.	1.6	42
39	Comparative sustainability assessment of binary blended concretes using Supplementary Cementitious Materials (SCMs) and Ordinary Portland Cement (OPC). Journal of Cleaner Production, 2019, 220, 445-459.	4.6	122
40	Quality and durability properties and life-cycle assessment of high volume biomass fly ash mortar. Construction and Building Materials, 2019, 197, 195-207.	3.2	48
41	Environmental and cost life cycle analysis of the impact of using solar systems in energy renovation of Southern European single-family buildings. Renewable Energy, 2019, 137, 82-92.	4.3	35
42	EscritÃ³rios de planta livre: o impacto de diferentes soluÃ§Ãµes de fachada na eficiÃªncia energÃ©tica. Ambiente ConstruÃdo, 2019, 19, 295-315.	0.2	4
43	Carbon (CI) and energy intensity (EI) dataset for retail stores. Data in Brief, 2018, 21, 1329-1333.	0.5	1
44	Methodology to Identify and Prioritise the Social Aspects to Be Considered in the Design of More Sustainable Residential Buildingsâ€"Application to a Developing Country. Buildings, 2018, 8, 130.	1.4	16
45	Combined carbon and energy intensity benchmarks for sustainable retail stores. Energy, 2018, 165, 877-889.	4.5	61
46	Comparative Analysis of Inspection and Diagnosis Tools for Ancient Buildings. Lecture Notes in Computer Science, 2018, , 289-298.	1.0	3
47	Development of a healthcare building sustainability assessment method â€“ Proposed structure and system of weights for the Portuguese context. Journal of Cleaner Production, 2017, 148, 555-570.	4.6	28
48	Healthcare Building Sustainability Assessment tool - Sustainable Effective Design criteria in the Portuguese context. Environmental Impact Assessment Review, 2017, 67, 49-60.	4.4	29
49	Contribution of the solar systems to the nZEB and ZEB design concept in Portugal â€“ Energy, economics and environmental life cycle analysis. Solar Energy Materials and Solar Cells, 2016, 156, 59-74.	3.0	38
50	Life-cycle costs and impacts on energy-related building renovation assessments. International Journal of Sustainable Building Technology and Urban Development, 2016, 7, 206-213.	1.0	8
51	Smart interior design of buildings and its relationship to land use. Architectural Engineering and Design Management, 2016, 12, 97-106.	1.2	10
52	Comparative environmental life-cycle analysis of concretes using biomass and coal fly ashes as partial cement replacement material. Journal of Cleaner Production, 2016, 112, 2221-2230.	4.6	173
53	Contribution of Portuguese Vernacular Building Strategies to Indoor Thermal Comfort and Occupantsâ€™ Perception. Buildings, 2015, 5, 1242-1264.	1.4	40
54	Development of Benchmarks for Operating Costs and Resources Consumption to be Used in Healthcare Building Sustainability Assessment Methods. Sustainability, 2015, 7, 13222-13248.	1.6	23

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55	A critical analysis of building sustainability assessment methods for healthcare buildings. Environment, Development and Sustainability, 2015, 17, 1381-1412.	2.7	36
56	Portuguese vernacular architecture: the contribution of vernacular materials and design approaches for sustainable construction. Architectural Science Review, 2015, 58, 324-336.	1.1	38
57	Assessment of Land Use Efficiency Using BSA Tools: Development of a New Index. Journal of the Urban Planning and Development Division, ASCE, 2015, 141, .	0.8	32
58	Review and perspectives on Life Cycle Analysis of solar technologies with emphasis on building-integrated solar thermal systems. Renewable Energy, 2015, 75, 833-846.	4.3	56
59	Definindo melhores prÃ¡ticas em projetos de RegeneraÃ§Ã£o Urbana SustentÃ¡vel. Ambiente ConstruÃdo, 2014, 14, 7-25.	0.2	3
60	New approach addressing sustainability in urban areas using sustainable city models. International Journal of Sustainable Building Technology and Urban Development, 2014, 5, 297-305.	1.0	11
61	Sustainability assessment of an innovative lightweight building technology for partition walls â€“ Comparison with conventional technologies. Building and Environment, 2013, 67, 147-159.	3.0	89
62	Proposal of an innovative solution for partition walls: Mechanical, thermal and acoustic validation. Construction and Building Materials, 2013, 48, 961-979.	3.2	19
63	Adaptation of SBToolPTto office buildings. International Journal of Sustainable Building Technology and Urban Development, 2013, 4, 89-97.	1.0	7
64	The potential of vernacular materials to the sustainable building design. , 2013, , 623-629.		8
65	Designing an affordable sustainable residential building block using the SBToolPTsustainability rating system. International Journal of Sustainable Building Technology and Urban Development, 2012, 3, 285-293.	1.0	4
66	Sustainability assessment and rating of buildings: Developing the methodology SBToolPTâ€“H. Building and Environment, 2011, 46, 1962-1971.	3.0	193
67	Building Sustainability Assessment. Sustainability, 2010, 2, 2010-2023.	1.6	188
68	Detecting feature interactions in SPL requirements analysis models. , 2009, , .		10
69	Obstacles and barriers for measuring buildingâ€™s circularity. IOP Conference Series: Earth and Environmental Science, 0, 225, 012058.	0.2	10
70	Reed as a Thermal Insulation Material: Experimental Characterisation of the Physical and Thermal Properties. , 0, , .		0